

Data File : BN004047.D
Acq On : 17 Dec 2018 21:56
Operator : JU/SJ
Sample : J6236-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9E21

Quant Time: Dec 18 04:34:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 04:29:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1600	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	8312	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5129	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	493714	0.40	ng/ul	0.10
16) Chrysene-d12	21.52	240	97	0.40	ng/ul	0.12
20) Perylene-d12	23.84	264	1362	0.40	ng/ul	0.11

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	2283	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	193	0.00	ng/ul	0.06

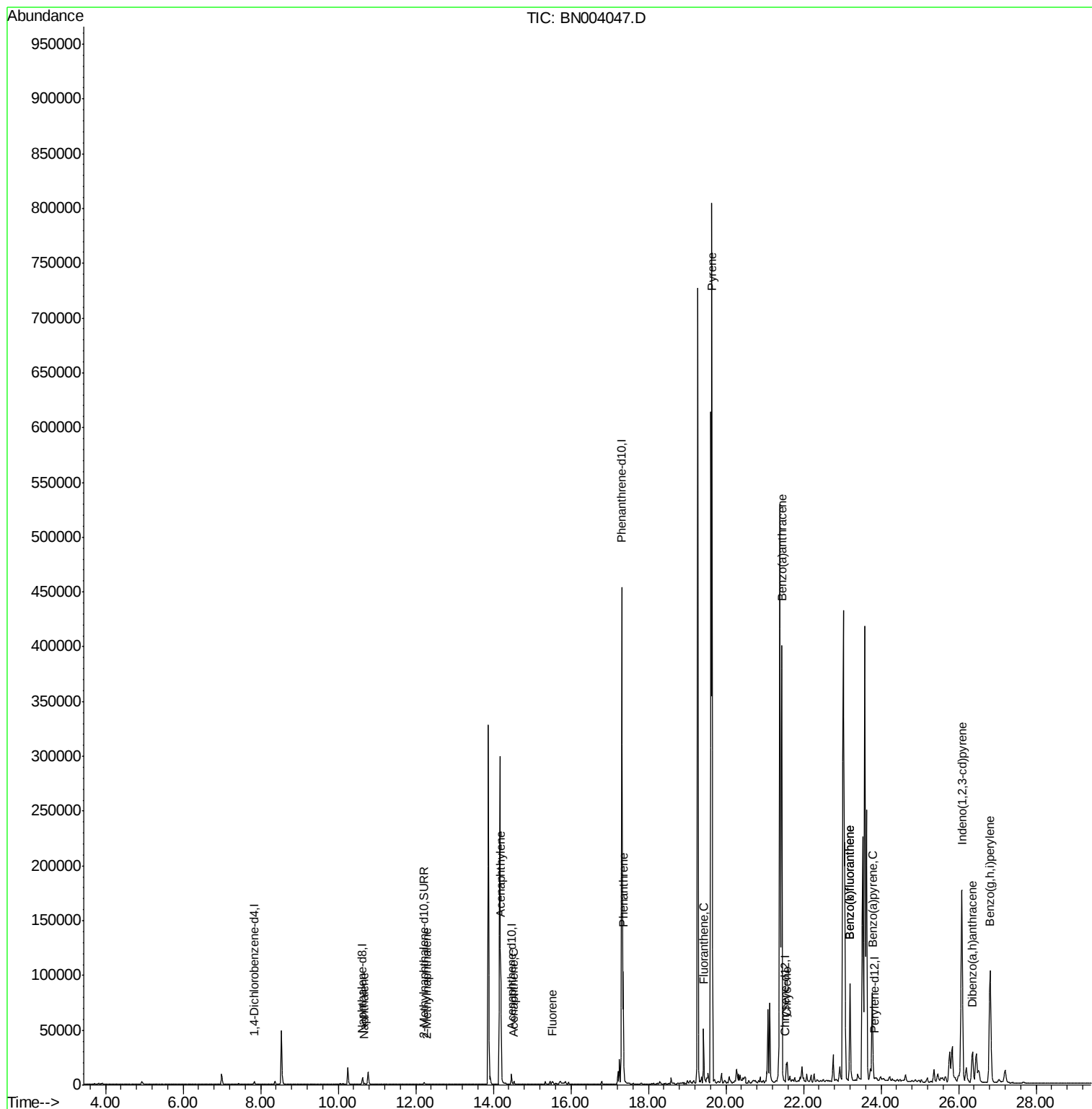
Target Compounds				Qvalue		
3) Naphthalene	10.68	128	589	0.025	ng/ul#	57
5) 2-Methylnaphthalene	12.29	142	357	0.022	ng/ul	95
7) Acenaphthylene	14.19	152	125318	5.426	ng/ul	99
8) Acenaphthene	14.53	153	1581	0.078	ng/ul#	94
9) Fluorene	15.52	166	2469	0.105	ng/ul#	98
12) Phenanthrene	17.35	178	108846	0.067	ng/ul	99
15) Fluoranthene	19.42	202	38815	0.020	ng/ul	97
17) Pyrene	19.64	202	646215	1857.473	ng/ul	99
18) Benzo(a)anthracene	21.44	228	418316	1365.388	ng/ul	94
19) Chrysene	21.58	228	27204	77.591	ng/ul#	86
21) Benzo(b)fluoranthene	23.20	252	117643	20.881	ng/ul	94
22) Benzo(k)fluoranthene	23.20	252	117630	21.431	ng/ul#	95
23) Benzo(a)pyrene	23.77	252	107190	21.970	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	26.09	276	282145	50.430	ng/ul	95
25) Dibenzo(a,h)anthracene	26.36	278	42506	9.440	ng/ul	97
26) Benzo(g,h,i)perylene	26.81	276	214291	44.069	ng/ul	98

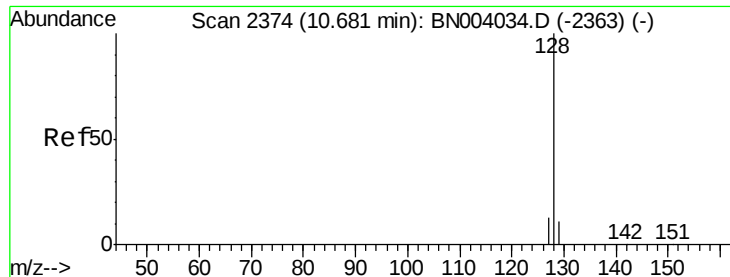
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.025 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. -0.01 min

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Acq: 17 Dec 2018 21:56

Instrument :

BNA_N

ClientSampleId :

F9E21

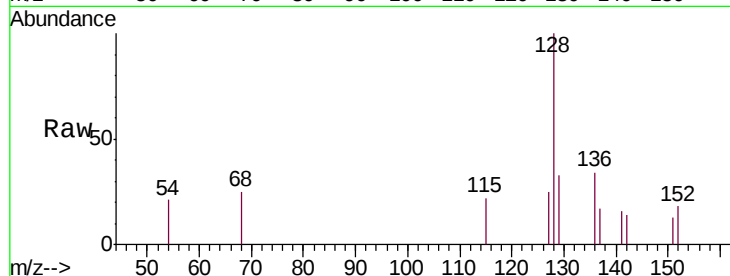
Tgt Ion:128 Resp: 589

Ion Ratio Lower Upper

128 100

129 33.2 9.0 13.6#

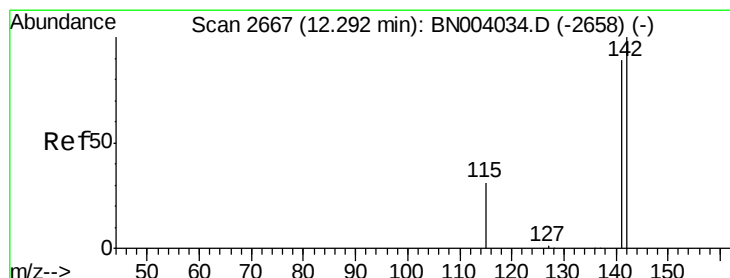
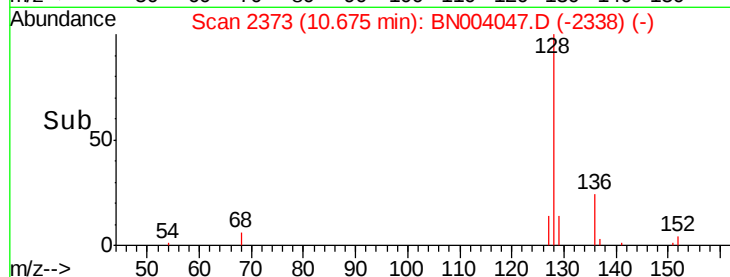
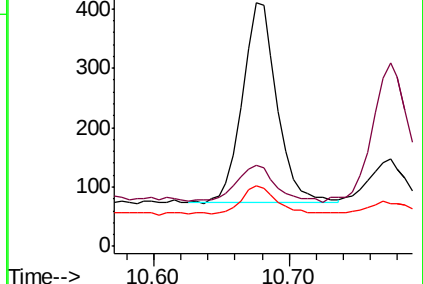
127 25.1 10.5 15.7#



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: 0.022 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BN004047.D

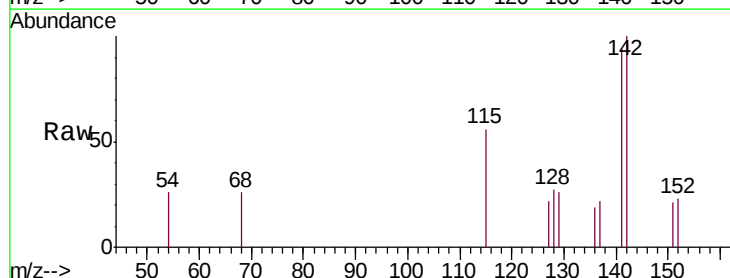
Acq: 17 Dec 2018 21:56

Tgt Ion:142 Resp: 357

Ion Ratio Lower Upper

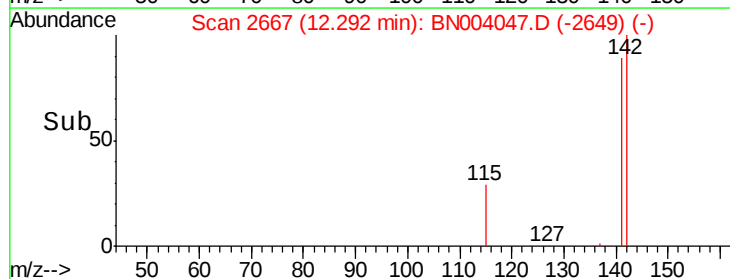
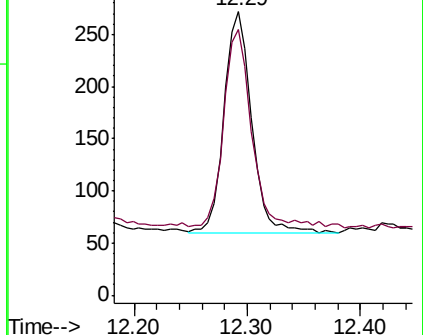
142 100

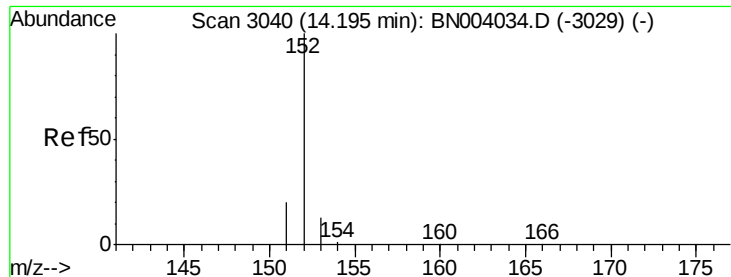
141 93.8 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.426 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

Instrument :

BNA_N

ClientSampleId :

F9E21

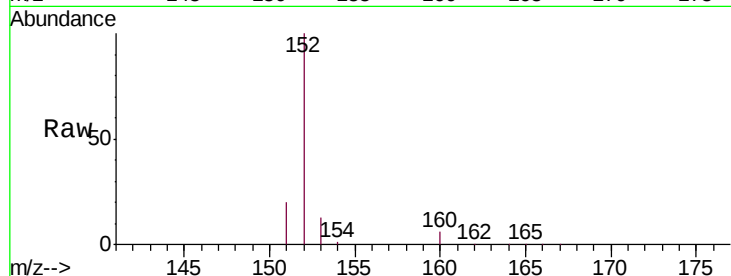
Tgt Ion:152 Resp: 125318

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

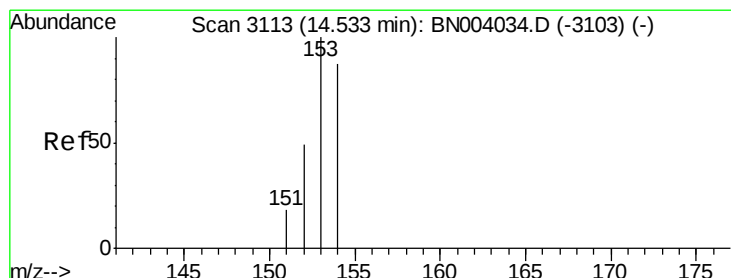
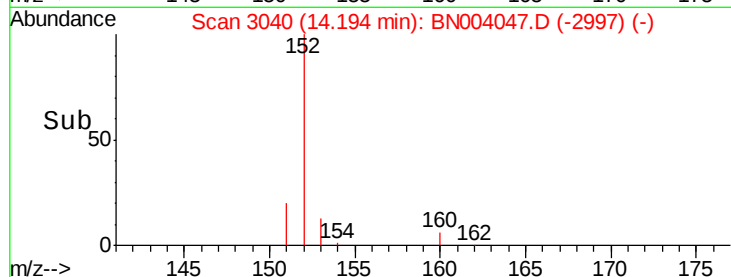
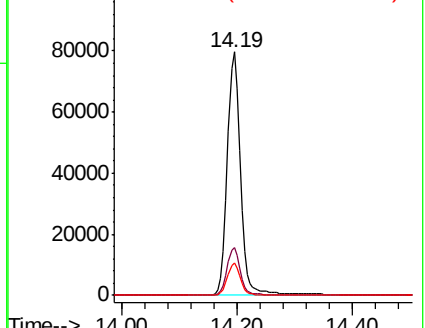
153 13.1 10.7 16.1



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: 0.078 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

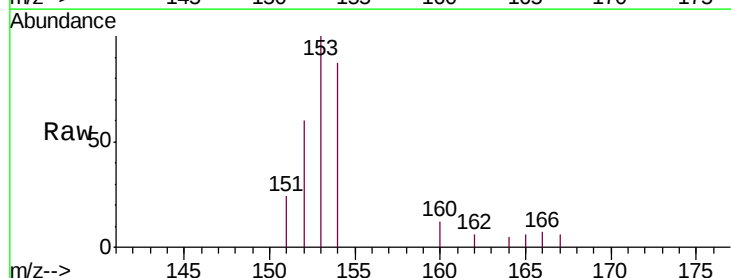
Tgt Ion:153 Resp: 1581

Ion Ratio Lower Upper

153 100

152 60.1 39.3 58.9#

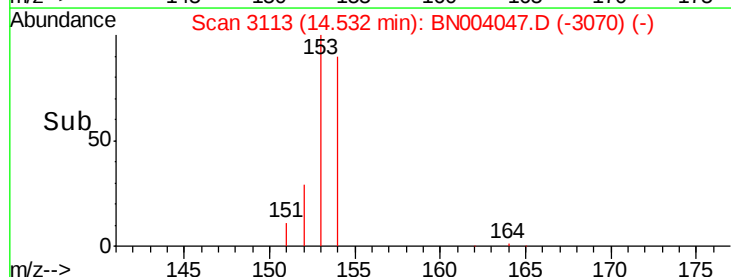
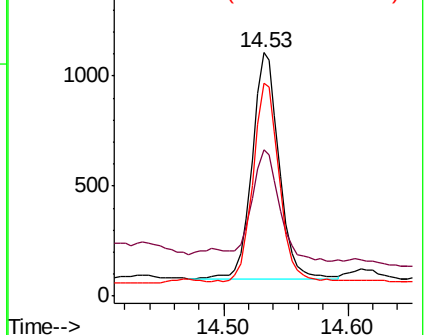
154 87.3 70.3 105.5

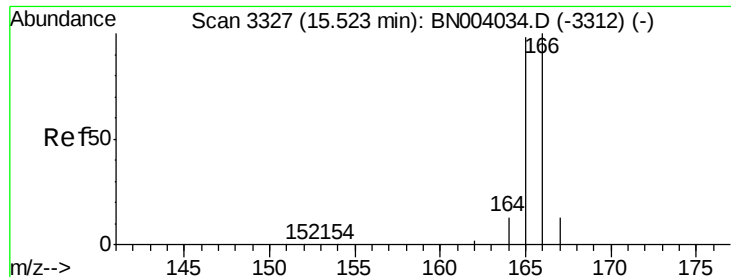


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.105 ng/ul

RT: 15.52 min Scan# 3327

Delta R.T. -0.00 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

Instrument :

BNA_N

ClientSampleId :

F9E21

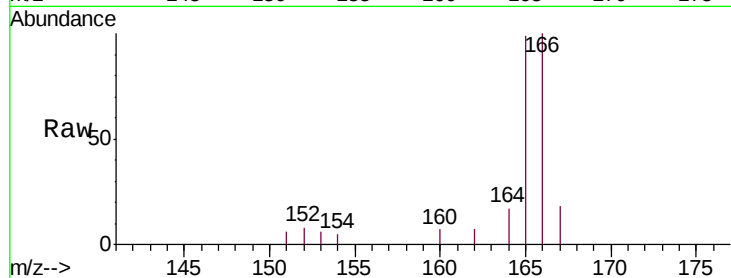
Tgt Ion:166 Resp: 2469

Ion Ratio Lower Upper

166 100

165 99.1 78.3 117.5

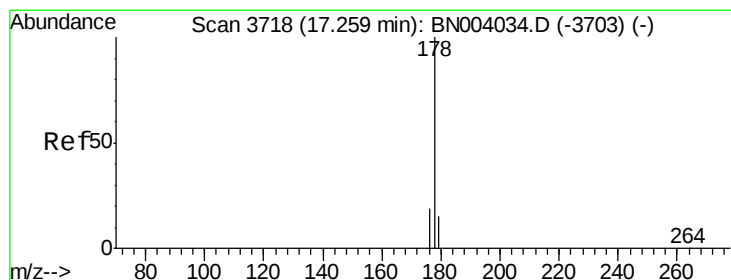
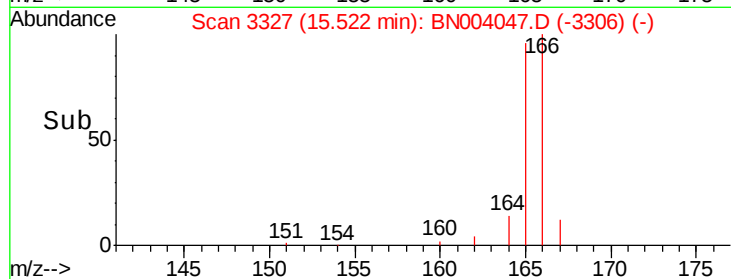
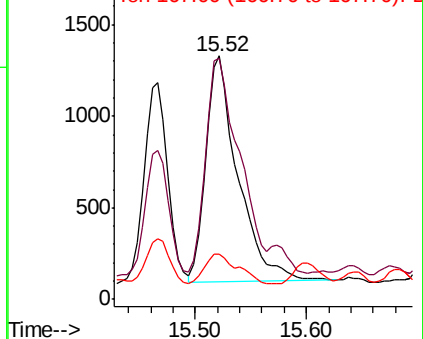
167 18.3 11.3 16.9#



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



#12

Phenanthrene

Concen: 0.067 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. 0.09 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

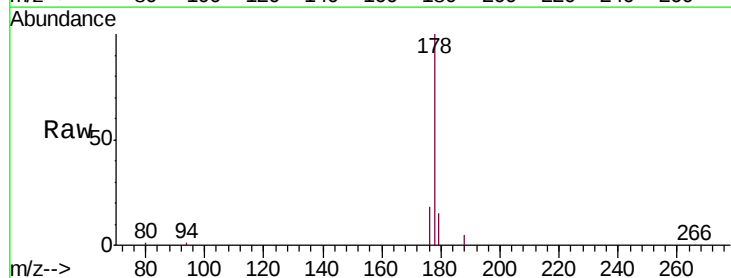
Tgt Ion:178 Resp: 108846

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

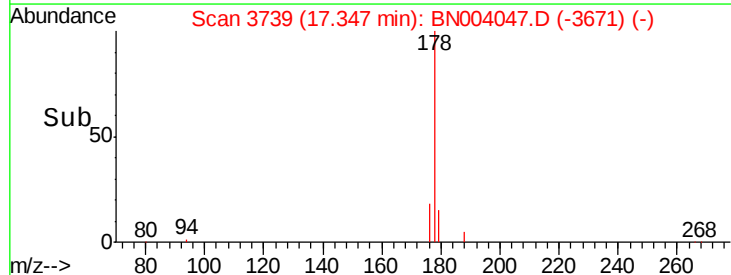
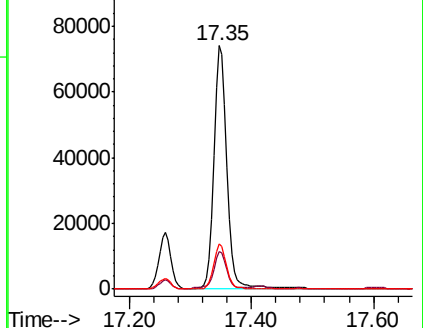
176 18.4 15.0 22.4

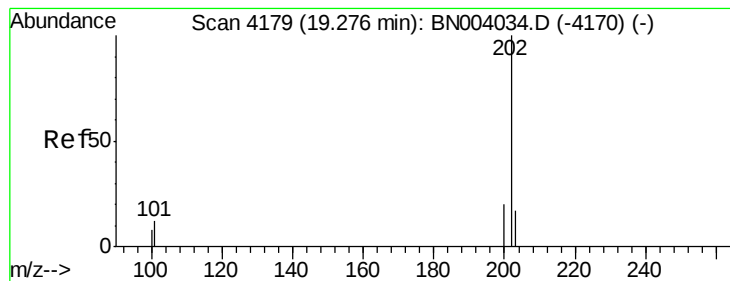


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.020 ng/ul

RT: 19.42 min Scan# 4211

Delta R.T. 0.15 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

Instrument :

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ClientSampleId :

F9E21

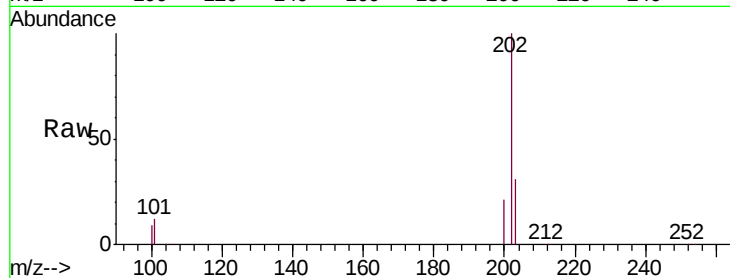
Tgt Ion:202 Resp: 38815

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.7

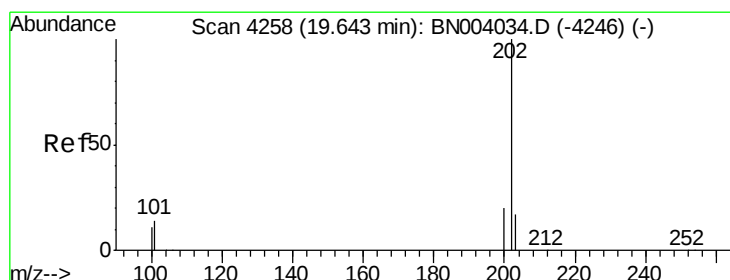
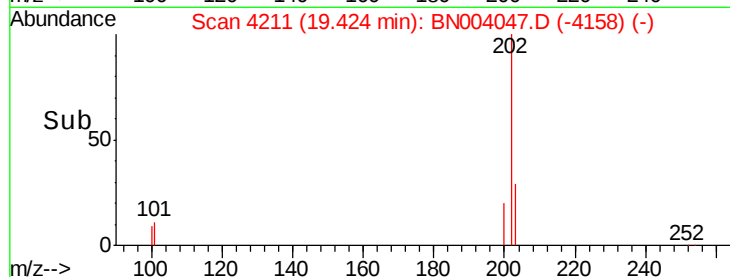
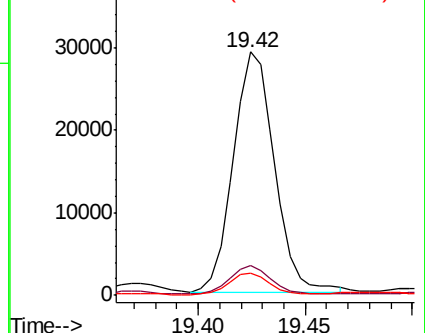
100 9.1 0.0 28.1



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: 1857.473 ng/ul

RT: 19.64 min Scan# 4258

Delta R.T. -0.00 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

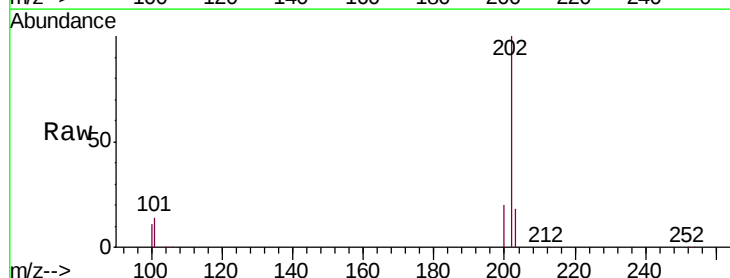
Tgt Ion:202 Resp: 646215

Ion Ratio Lower Upper

202 100

101 13.6 10.3 15.5

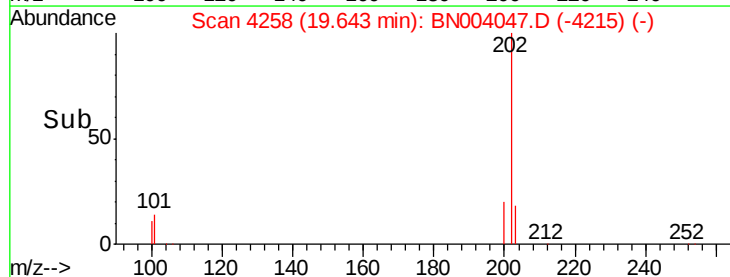
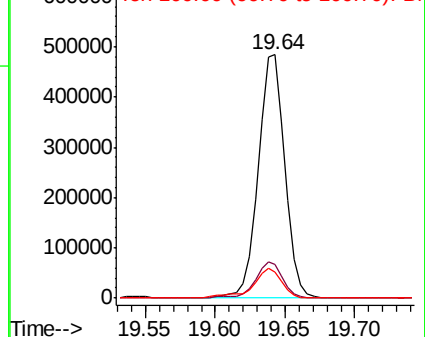
100 10.7 8.5 12.7

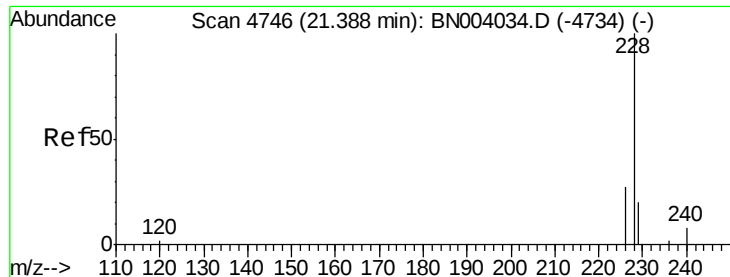


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1365.388 ng/ul

RT: 21.44 min Scan# 4763

Delta R.T. 0.05 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

Instrument :

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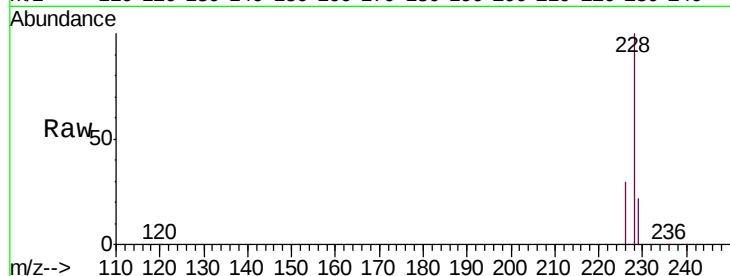
Tgt Ion:228 Resp: 418316

Ion Ratio Lower Upper

228 100

229 21.5 15.6 23.4

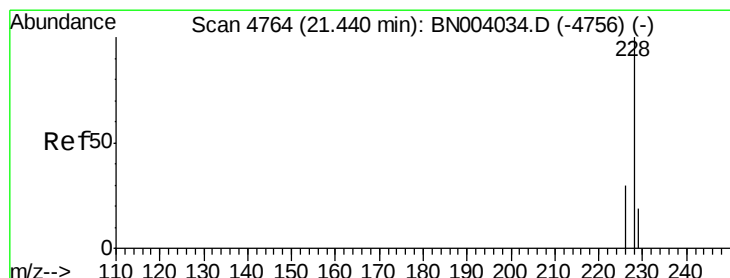
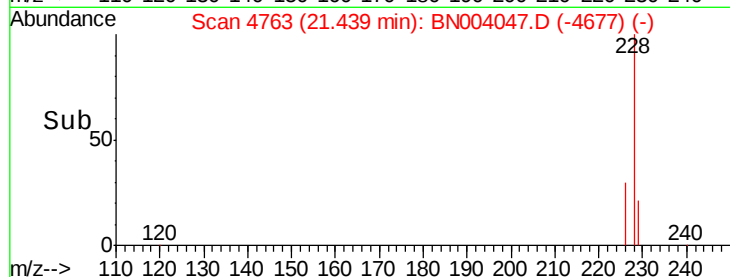
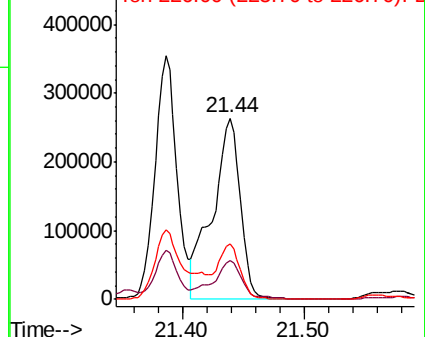
226 30.4 21.1 31.7



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: 77.591 ng/ul

RT: 21.58 min Scan# 4811

Delta R.T. 0.14 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

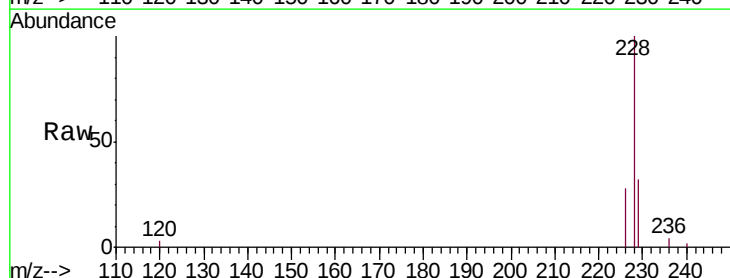
Tgt Ion:228 Resp: 27204

Ion Ratio Lower Upper

228 100

226 27.6 24.0 36.0

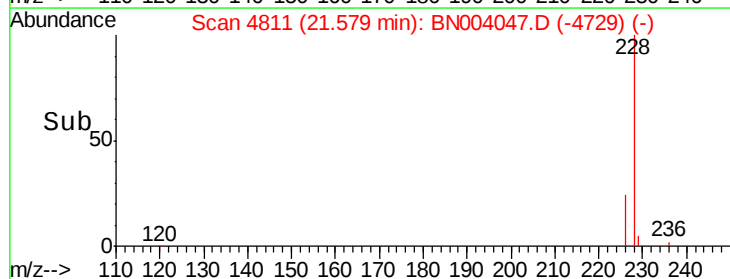
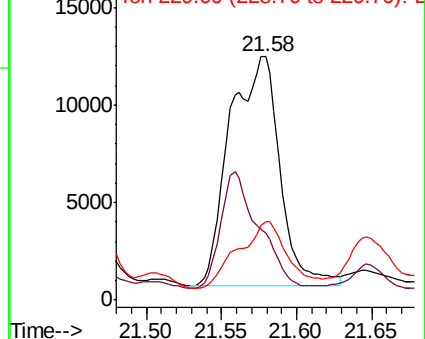
229 32.4 15.7 23.5#

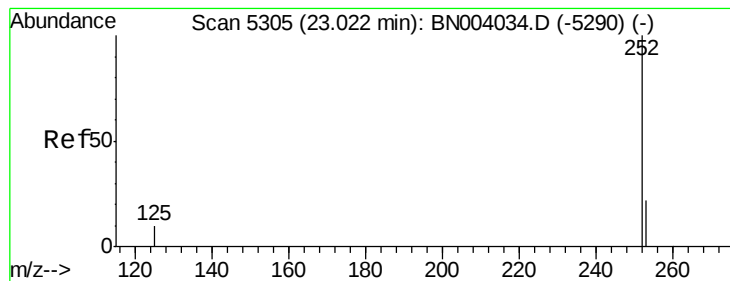


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 20.881 ng/ul

RT: 23.20 min Scan# 5366

Delta R.T. 0.18 min

Lab File: BN004047.D

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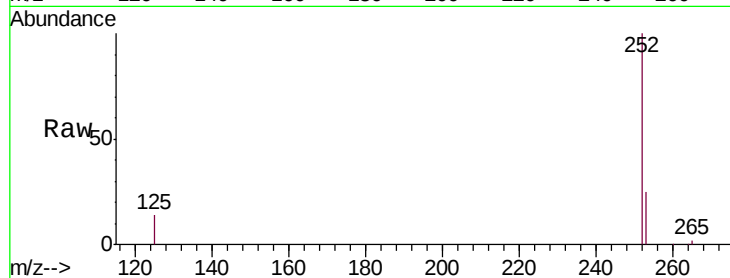
Tgt Ion:252 Resp: 117643

Ion Ratio Lower Upper

252 100

253 25.1 0.0 46.0

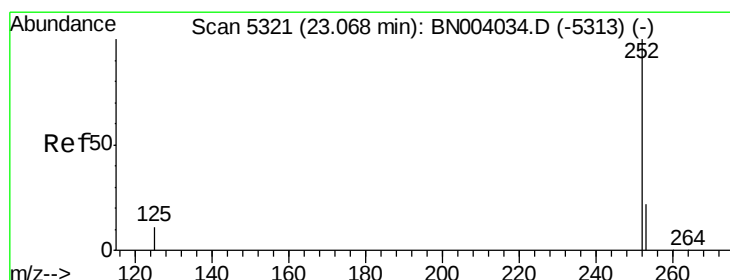
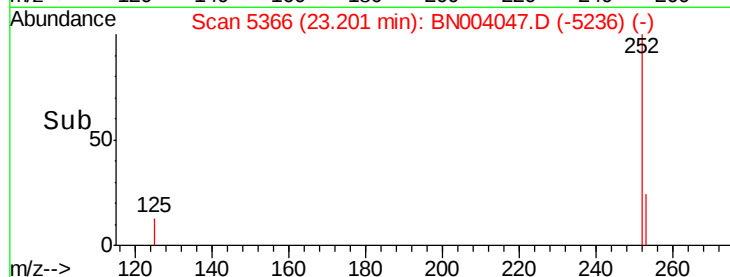
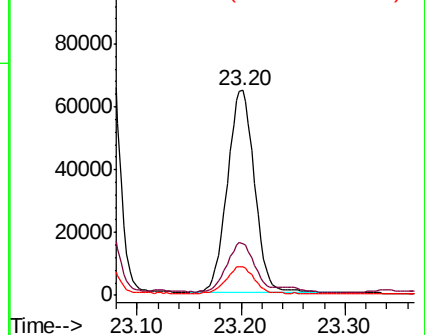
125 14.2 0.0 22.4



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: 21.431 ng/ul

RT: 23.20 min Scan# 5366

Delta R.T. 0.13 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

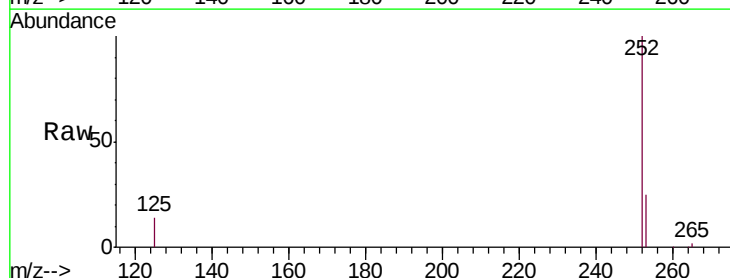
Tgt Ion:252 Resp: 117630

Ion Ratio Lower Upper

252 100

253 25.1 18.5 27.7

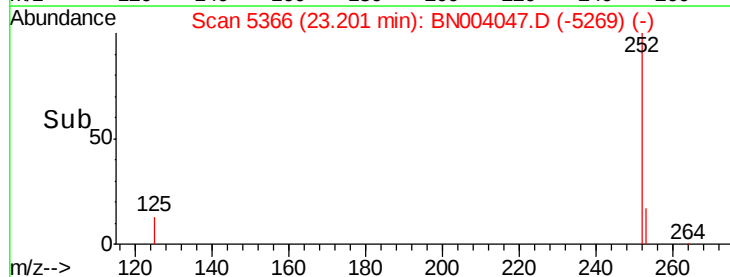
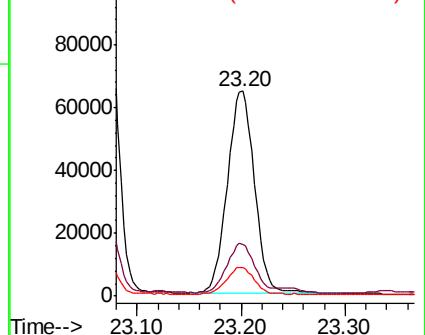
125 14.2 9.0 13.6#

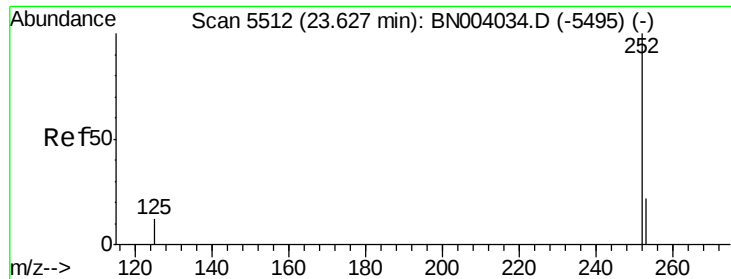


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 21.970 ng/u1

RT: 23.77 min Scan# 5562

Delta R.T. 0.15 min

Lab File: BN004047.D

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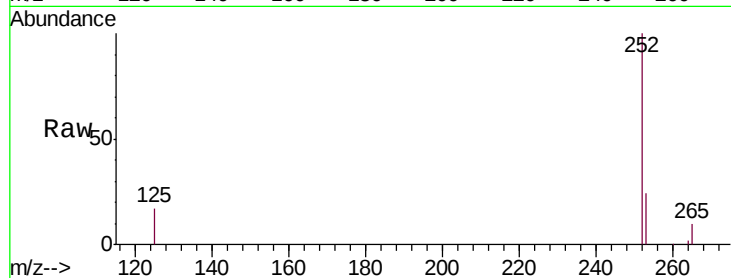
Tgt Ion:252 Resp: 107190

Ion Ratio Lower Upper

252 100

253 23.9 19.0 28.4

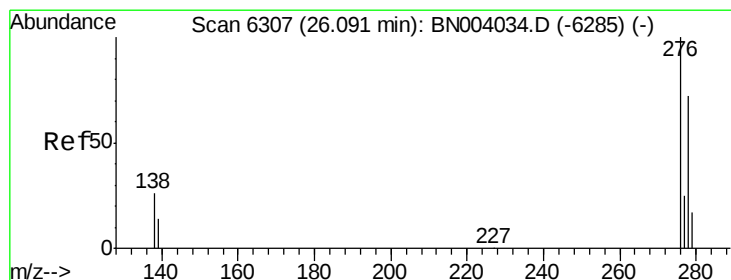
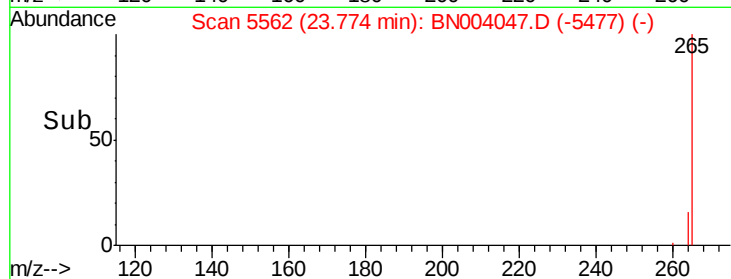
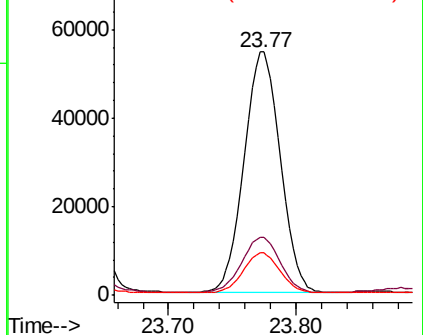
125 17.5 10.2 15.4#



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: 50.430 ng/u1

RT: 26.09 min Scan# 6305

Delta R.T. -0.01 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

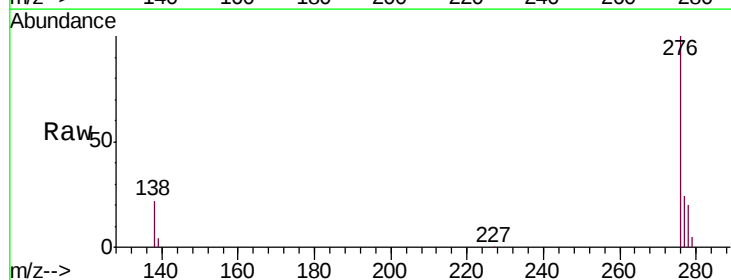
Tgt Ion:276 Resp: 282145

Ion Ratio Lower Upper

276 100

138 22.8 20.3 30.5

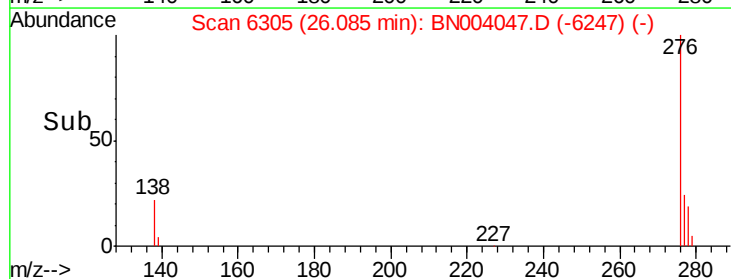
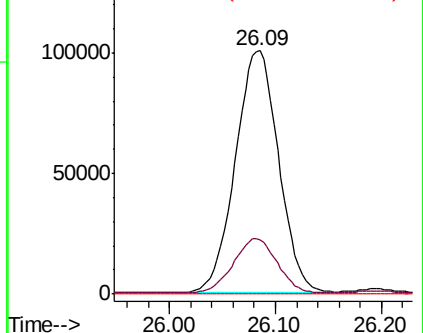
227 0.2 0.2 0.2

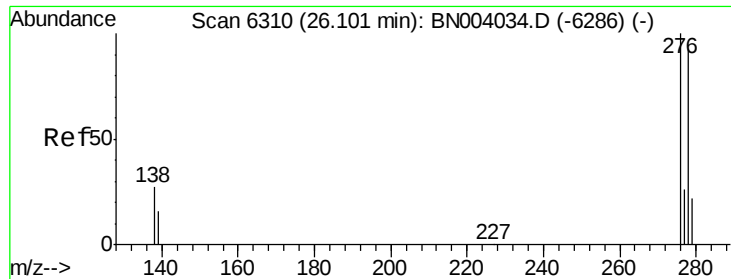


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 9.440 ng/ul

RT: 26.36 min Scan# 6386

Delta R.T. 0.26 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

Instrument :

BNA_N

ClientSampleId :

F9E21

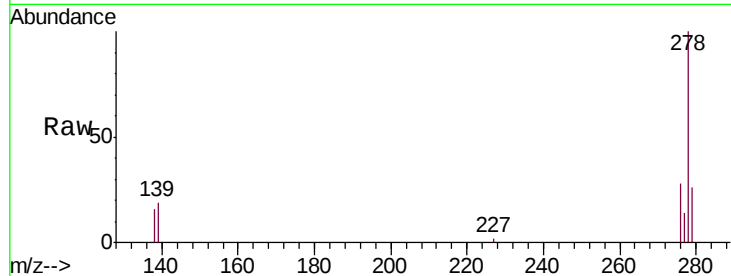
Tgt Ion:278 Resp: 42506

Ion Ratio Lower Upper

278 100

139 18.9 14.2 21.4

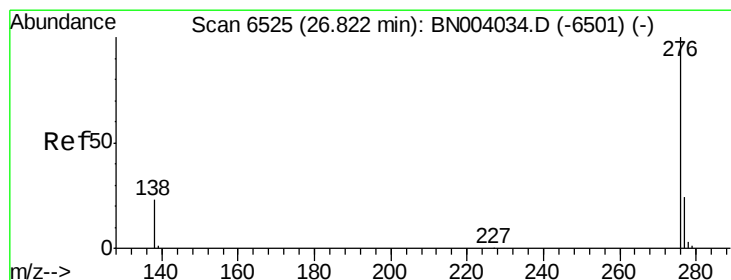
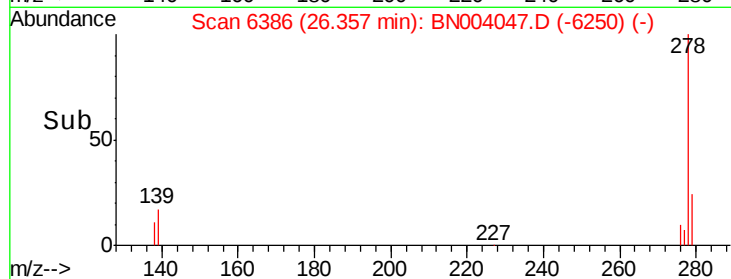
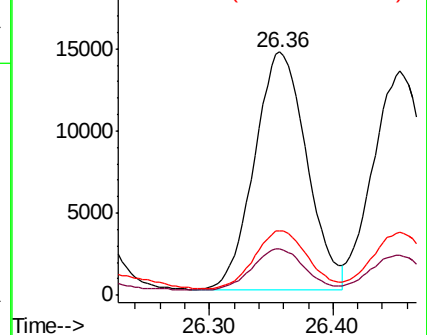
279 26.4 19.8 29.6



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: 44.069 ng/ul

RT: 26.81 min Scan# 6522

Delta R.T. -0.01 min

Lab File: BN004047.D

Acq: 17 Dec 2018 21:56

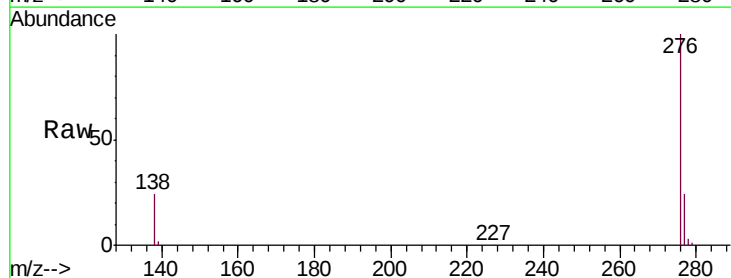
Tgt Ion:276 Resp: 214291

Ion Ratio Lower Upper

276 100

138 23.6 17.7 26.5

277 23.9 19.3 28.9



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

