

Data File : BN003983.D
Acq On : 16 Dec 2018 06:30
Operator : JU/SJ
Sample : J6171-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9Y26

Quant Time: Dec 17 00:16:41 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 : Mon Dec 17 00:13:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2720	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	12333	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	7976	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.32	188	920766	0.40	ng/ul	0.10
16) Chrysene-d12	21.51	240	1287	0.40	ng/ul	0.12
20) Perylene-d12	23.88	264	674	0.40	ng/ul	0.18

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	4587	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.34	212	906	0.00	ng/ul	0.09

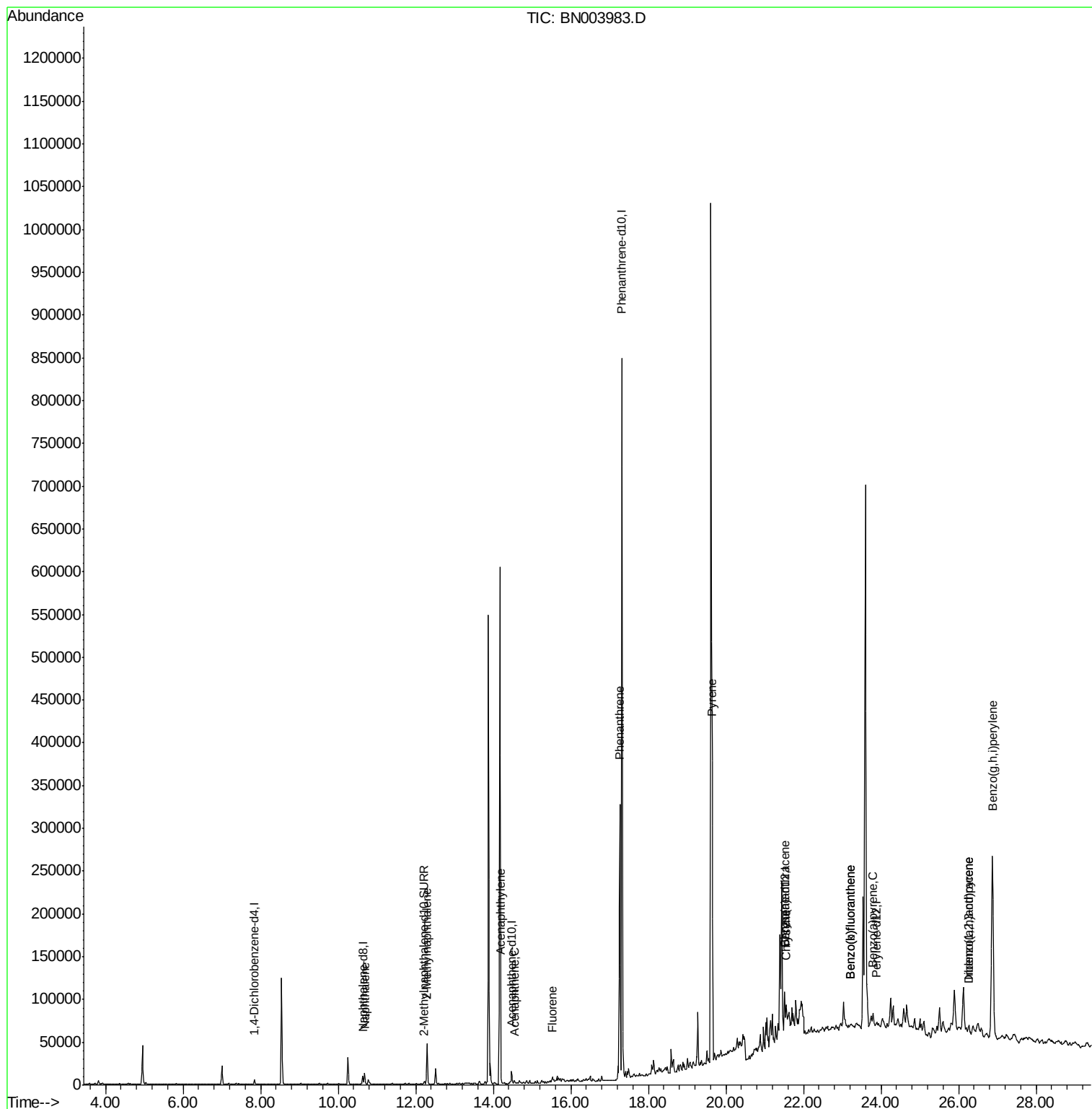
Target Compounds				Qvalue		
3) Naphthalene	10.68	128	17147	0.495	ng/ul	98
5) 2-Methylnaphthalene	12.29	142	33366	1.379	ng/ul	100
7) Acenaphthylene	14.19	152	1974	0.055	ng/ul#	61
8) Acenaphthene	14.54	153	2384	0.076	ng/ul	93
9) Fluorene	15.52	166	4940	0.135	ng/ul#	95
12) Phenanthrene	17.26	178	331547	0.110	ng/ul	99
17) Pyrene	19.64	202	284857	61.711	ng/ul	98
18) Benzo(a)anthracene	21.51	228	8372	2.060	ng/ul#	1
19) Chrysene	21.56	228	14553	3.128	ng/ul#	1
21) Benzo(b)fluoranthene	23.21	252	8302	2.978	ng/ul#	1
22) Benzo(k)fluoranthene	23.21	252	8302	3.056	ng/ul#	1
23) Benzo(a)pyrene	23.79	252	16375	6.782	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.26	276	4187	1.512	ng/ul#	1
25) Dibenzo(a,h)anthracene	26.24	278	6479	2.908	ng/ul#	1
26) Benzo(g,h,i)perylene	26.87	276	478187	198.721	ng/ul	93

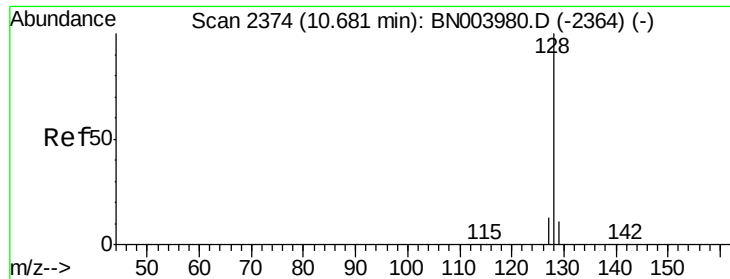
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.495 ng/ul

RT: 10.68 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

Instrument :

BNA_N

ClientSampleId :

F9Y26

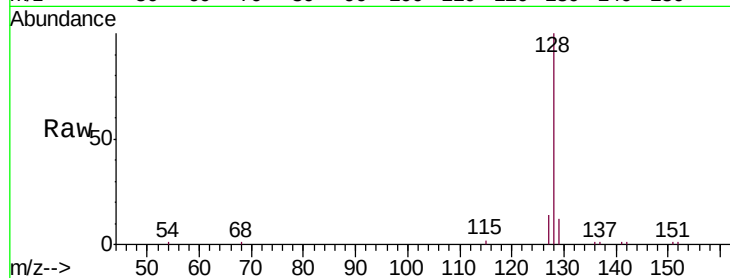
Tgt Ion:128 Resp: 17147

Ion Ratio Lower Upper

128 100

129 12.3 9.0 13.6

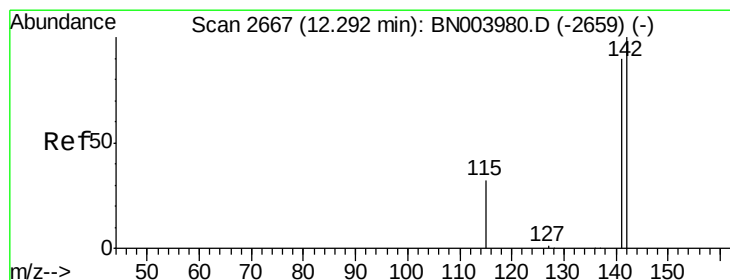
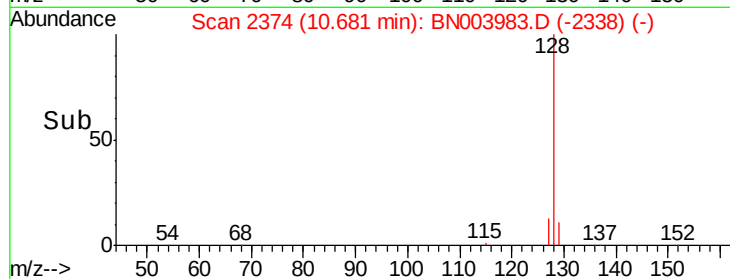
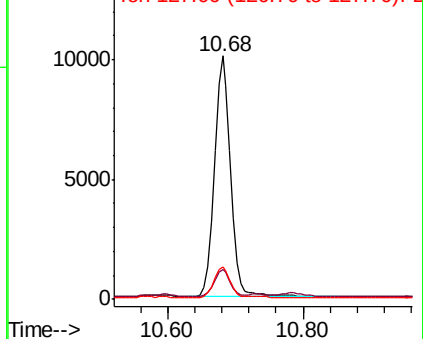
127 13.5 10.5 15.7



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: 1.379 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BN003983.D

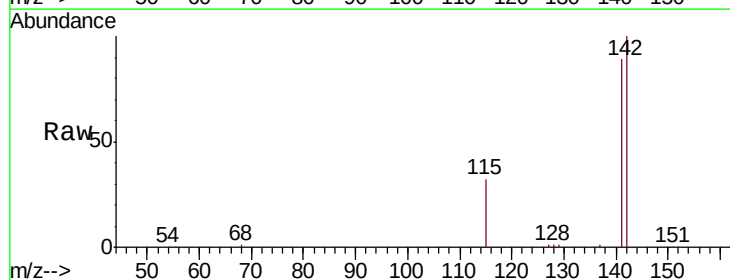
Acq: 16 Dec 2018 06:30

Tgt Ion:142 Resp: 33366

Ion Ratio Lower Upper

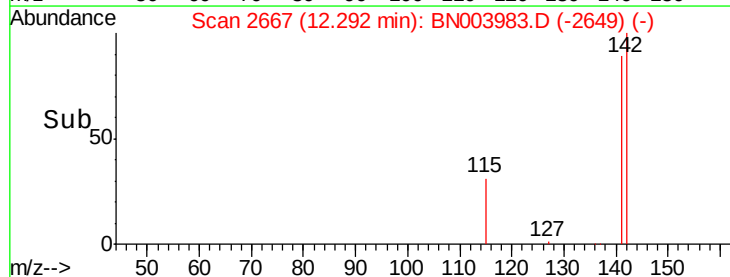
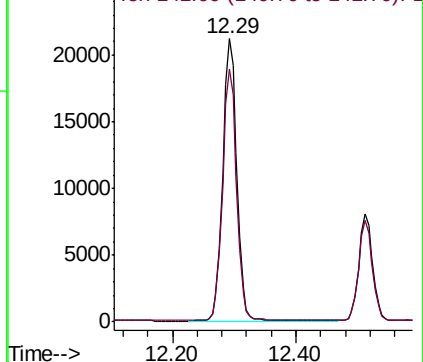
142 100

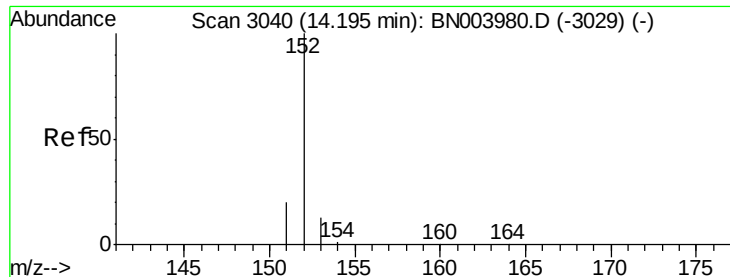
141 89.0 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.055 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

Instrument :

BNA_N

ClientSampleId :

F9Y26

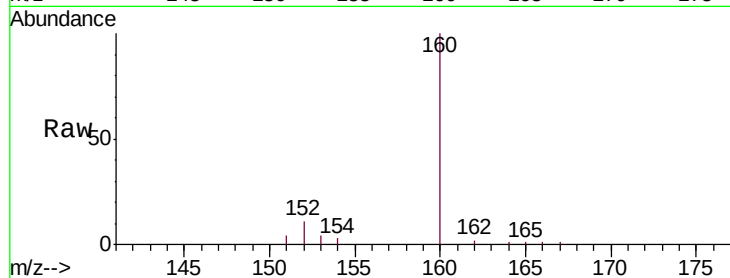
Tgt Ion:152 Resp: 1974

Ion Ratio Lower Upper

152 100

151 31.7 15.9 23.9#

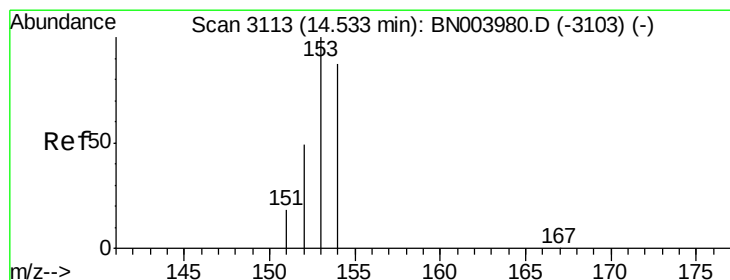
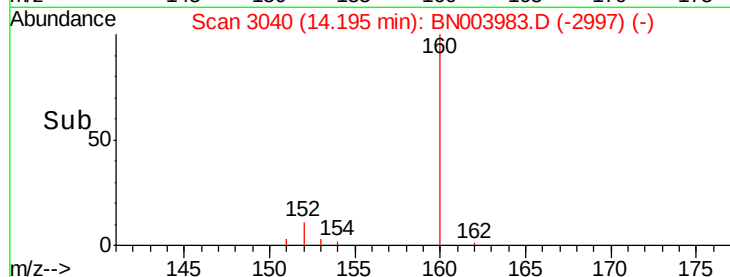
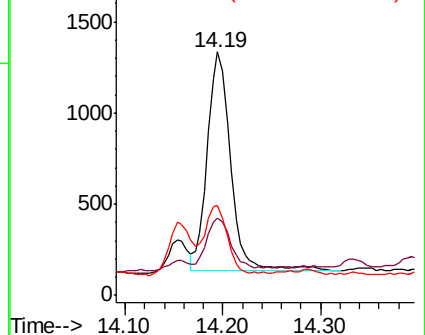
153 36.9 10.7 16.1#



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: 0.076 ng/ul

RT: 14.54 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

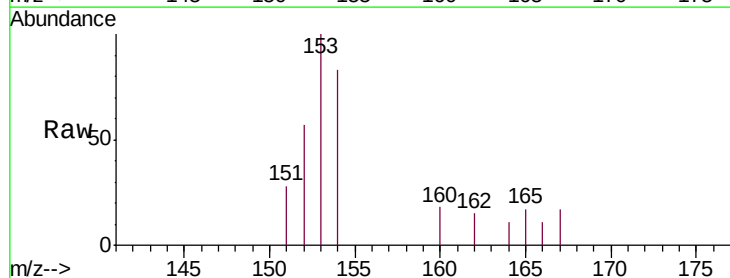
Tgt Ion:153 Resp: 2384

Ion Ratio Lower Upper

153 100

152 56.7 39.3 58.9

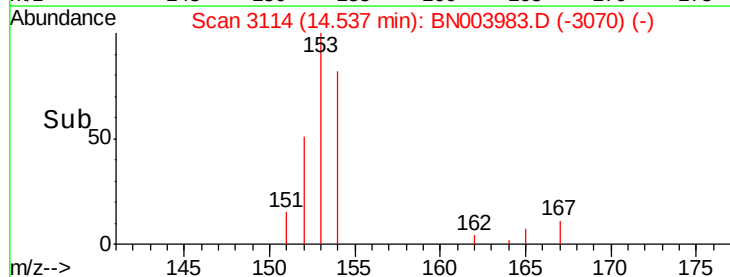
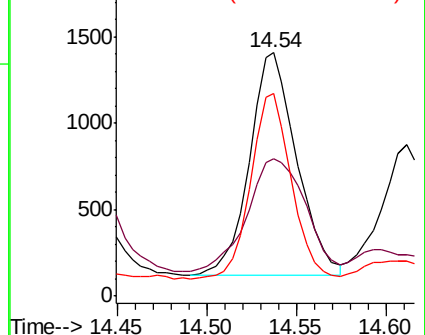
154 83.0 70.3 105.5

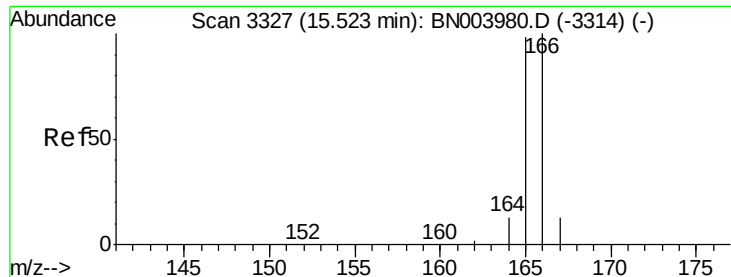


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

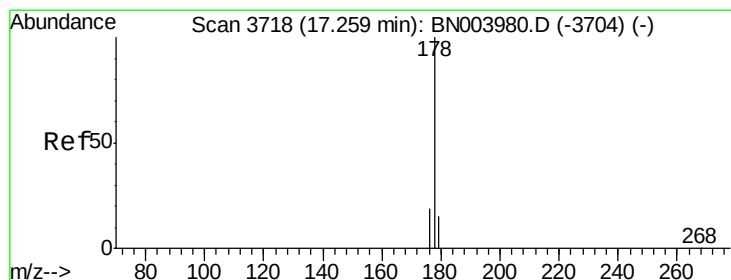
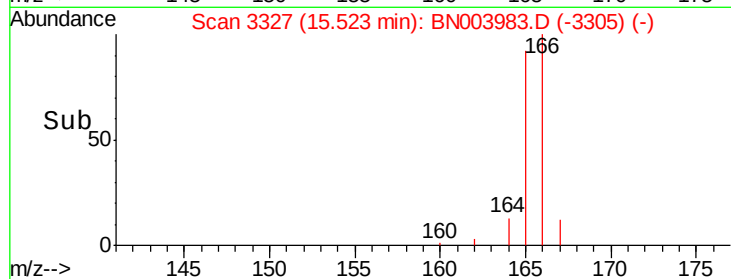
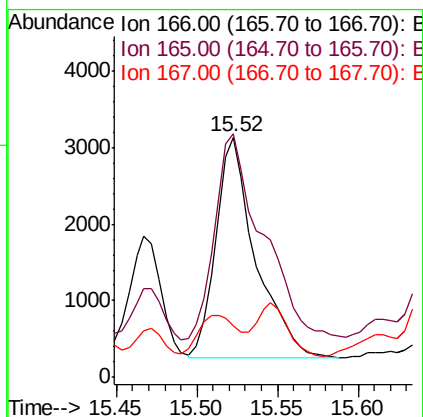
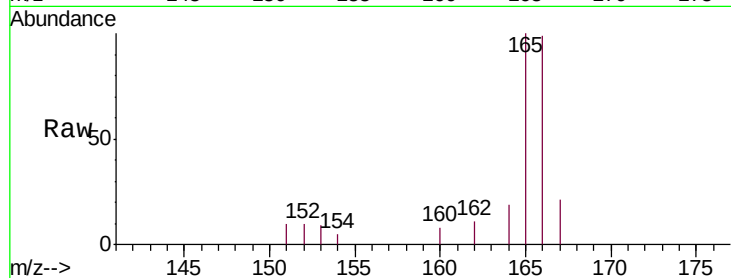




#9
Fluorene
 Concen: 0.135 ng/ul
 RT: 15.52 min Scan# 3327
 Delta R.T. 0.00 min
 Lab File: BN003983.D
 Acq: 16 Dec 2018 06:30

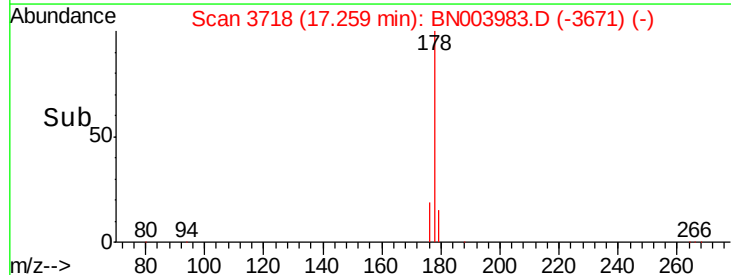
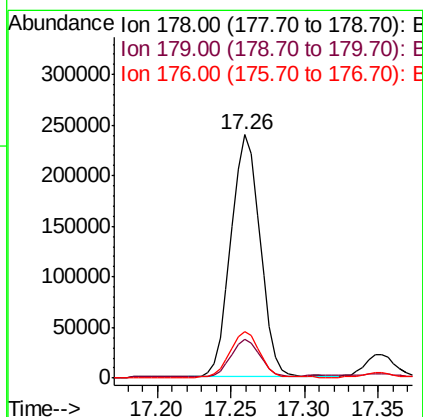
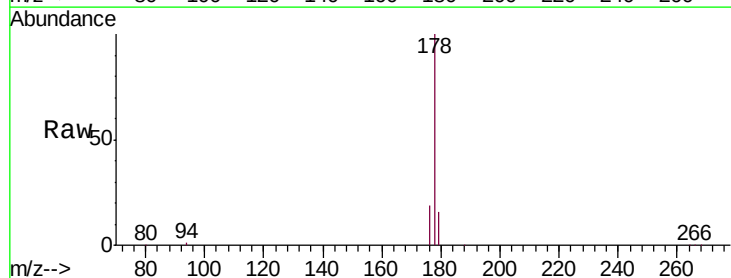
Instrument :
 BNA_N
 ClientSampleId :
 F9Y26

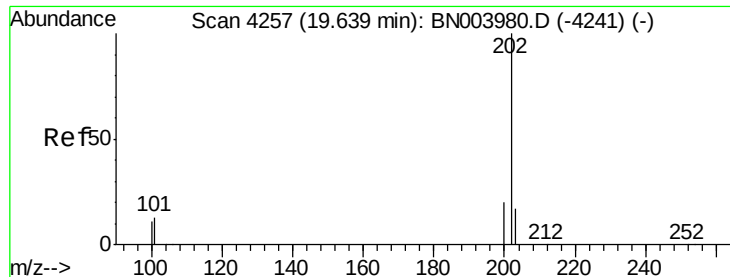
Tgt Ion:166 Resp: 4940
 Ion Ratio Lower Upper
 166 100
 165 101.4 78.3 117.5
 167 21.8 11.3 16.9#



#12
Phenanthrene
 Concen: 0.110 ng/ul
 RT: 17.26 min Scan# 3718
 Delta R.T. -0.00 min
 Lab File: BN003983.D
 Acq: 16 Dec 2018 06:30

Tgt Ion:178 Resp: 331547
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.5 18.7
 176 19.1 15.0 22.4





#17

Pyrene

Concen: 61.711 ng/ul

RT: 19.64 min Scan# 4258

Delta R.T. 0.00 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

Instrument :

BNA_N

ClientSampleId :

F9Y26

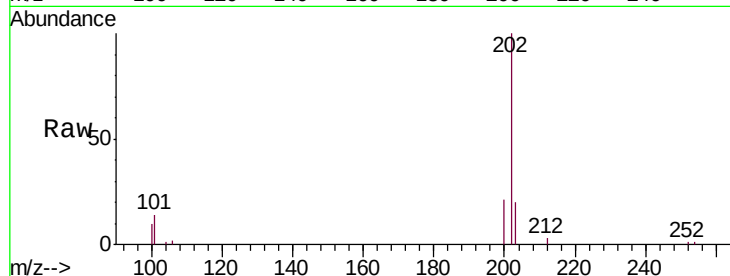
Tgt Ion:202 Resp: 284857

Ion Ratio Lower Upper

202 100

101 13.8 10.3 15.5

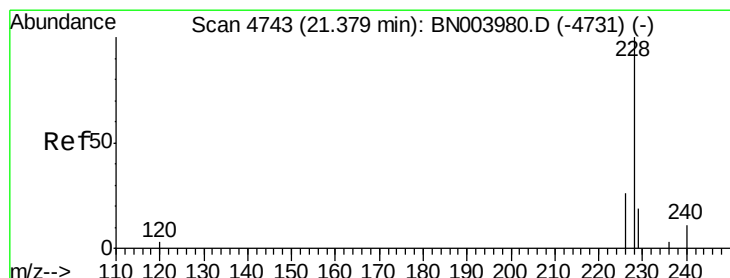
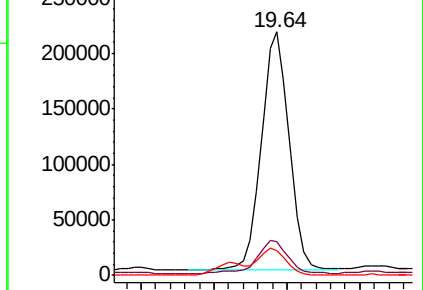
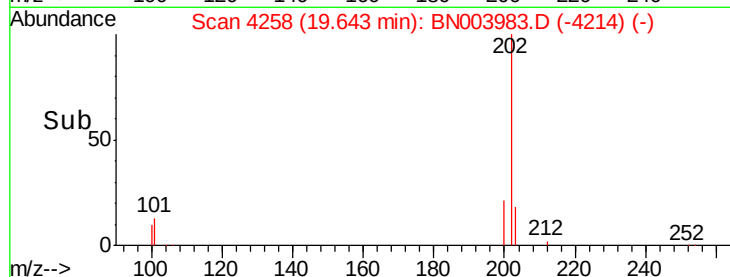
100 10.4 8.5 12.7



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: 2.060 ng/ul

RT: 21.51 min Scan# 4788

Delta R.T. 0.13 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

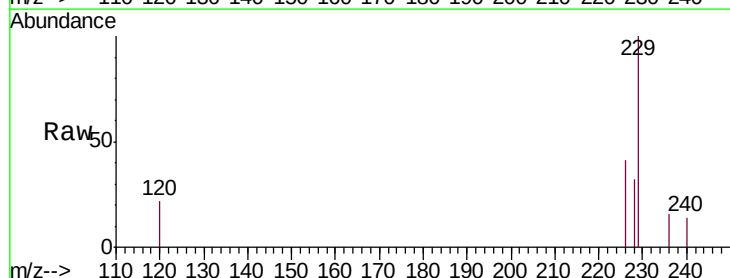
Tgt Ion:228 Resp: 8372

Ion Ratio Lower Upper

228 100

229 311.6 15.6 23.4#

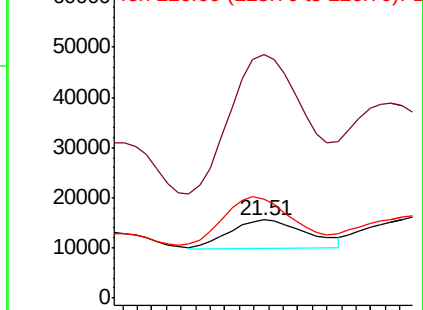
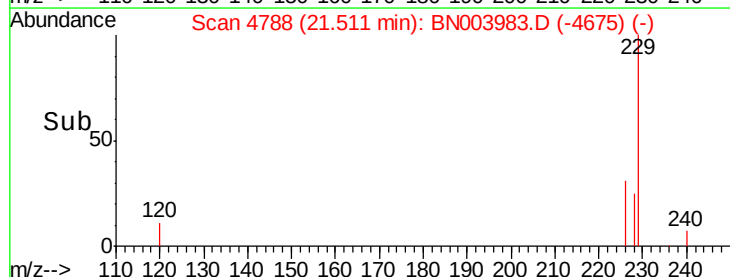
226 127.4 21.1 31.7#

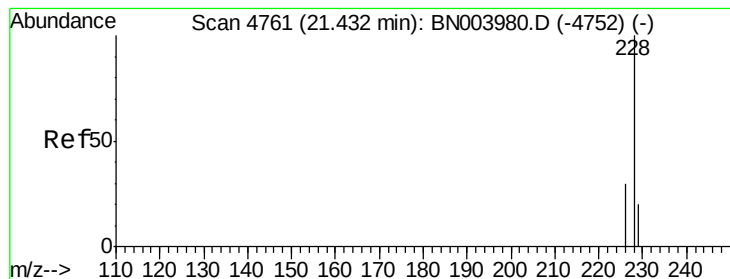


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.128 ng/ul

RT: 21.56 min Scan# 4804

Delta R.T. 0.13 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

Instrument :

BNA_N

ClientSampleId :

F9Y26

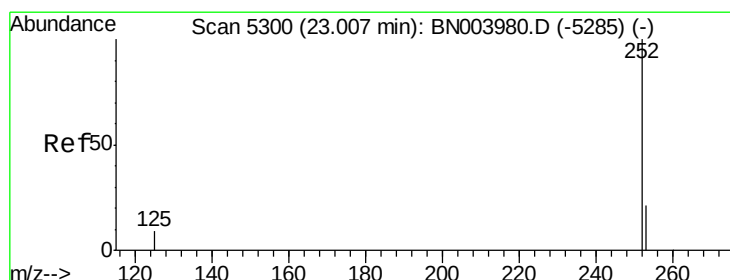
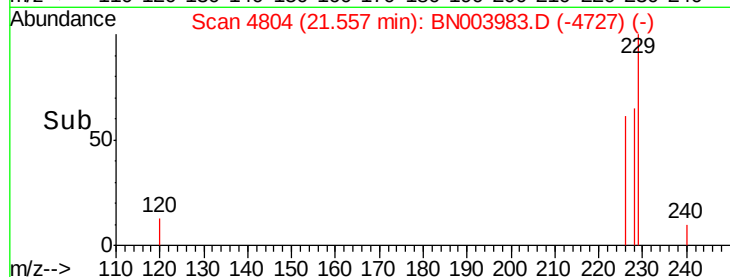
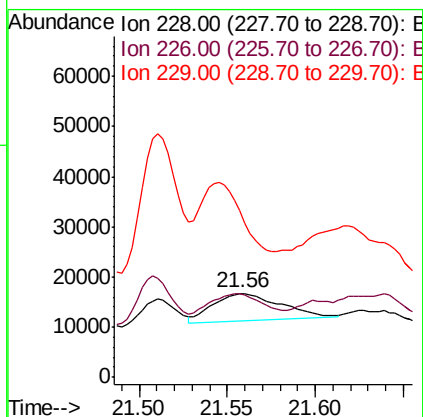
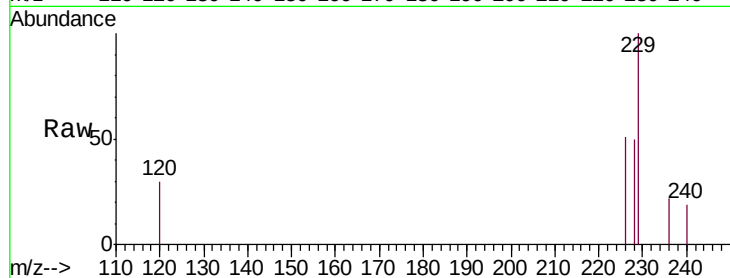
Tgt Ion:228 Resp: 14553

Ion Ratio Lower Upper

228 100

226 100.4 24.0 36.0#

229 198.7 15.7 23.5#



#21

Benzo(b)fluoranthene

Concen: 2.978 ng/ul

RT: 23.21 min Scan# 5371

Delta R.T. 0.21 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

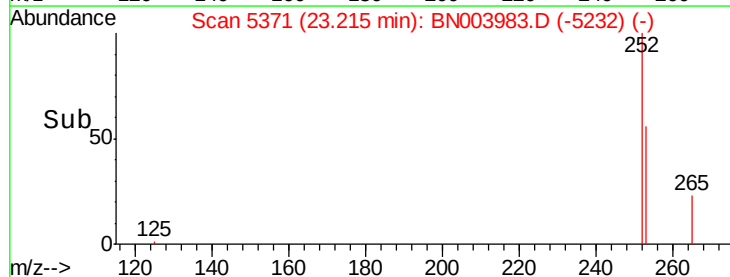
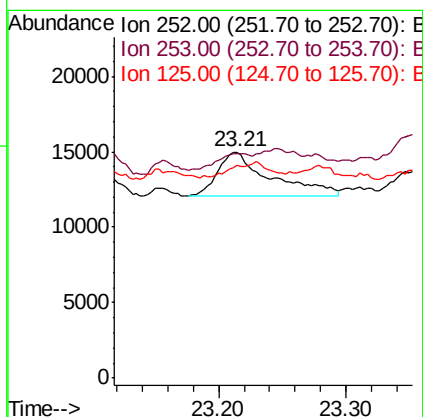
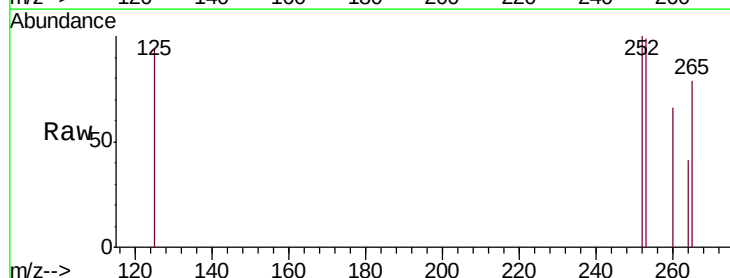
Tgt Ion:252 Resp: 8302

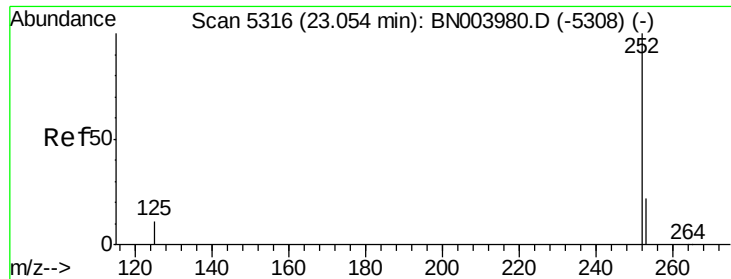
Ion Ratio Lower Upper

252 100

253 99.3 0.0 46.0#

125 94.3 0.0 22.4#





#22

Benzo(k)fluoranthene

Concen: 3.056 ng/ul

RT: 23.21 min Scan# 5371

Delta R.T. 0.16 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

Instrument :

BNA_N

ClientSampleId :

F9Y26

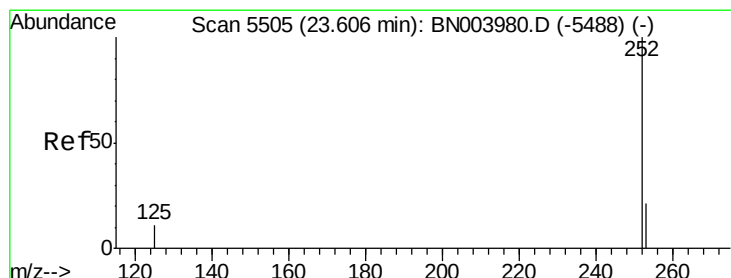
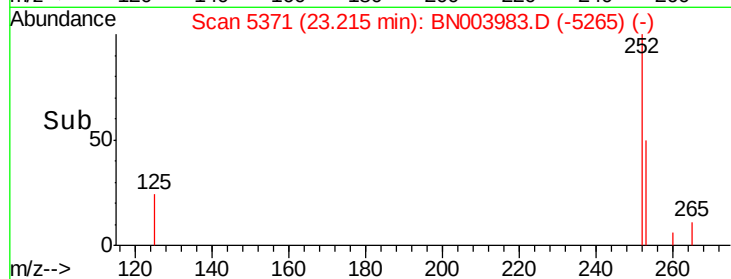
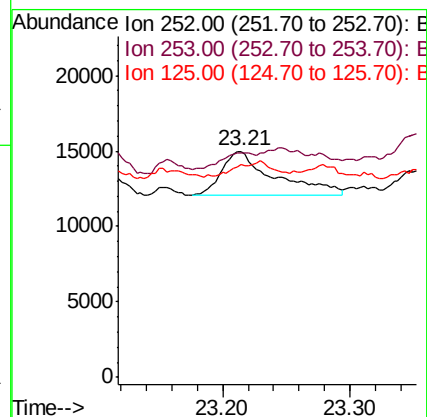
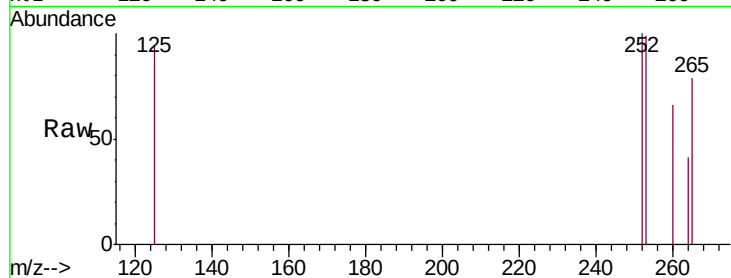
Tgt Ion:252 Resp: 8302

Ion Ratio Lower Upper

252 100

253 99.3 18.5 27.7#

125 94.3 9.0 13.6#



#23

Benzo(a)pyrene

Concen: 6.782 ng/ul

RT: 23.79 min Scan# 5569

Delta R.T. 0.19 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

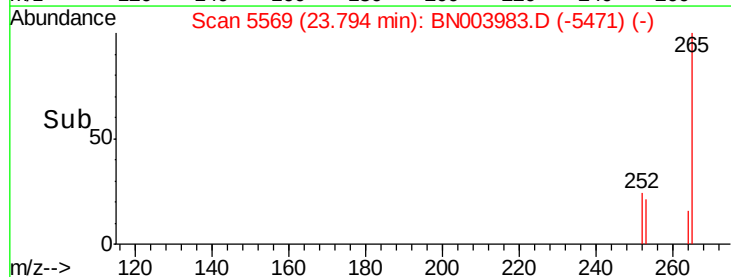
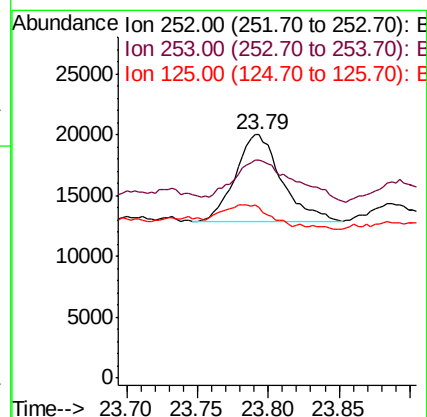
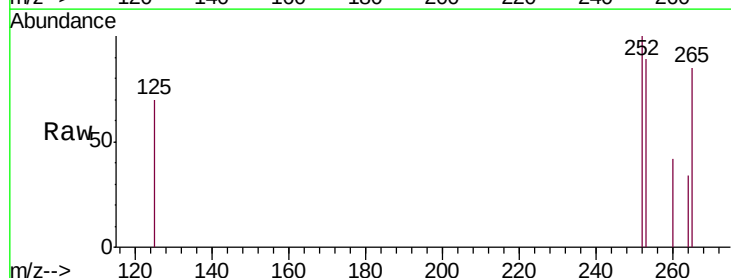
Tgt Ion:252 Resp: 16375

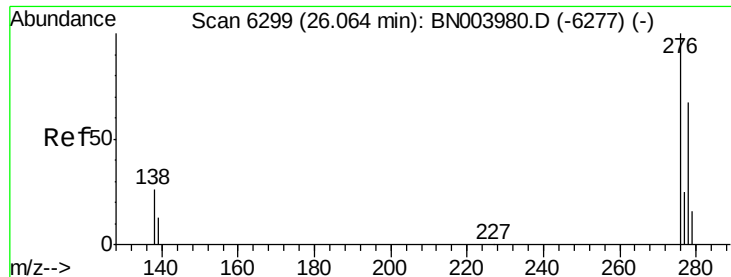
Ion Ratio Lower Upper

252 100

253 89.5 19.0 28.4#

125 70.0 10.2 15.4#



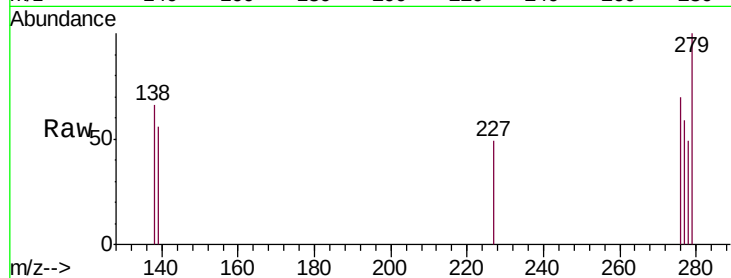


#24

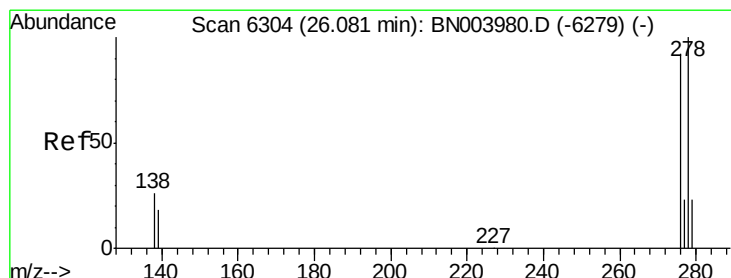
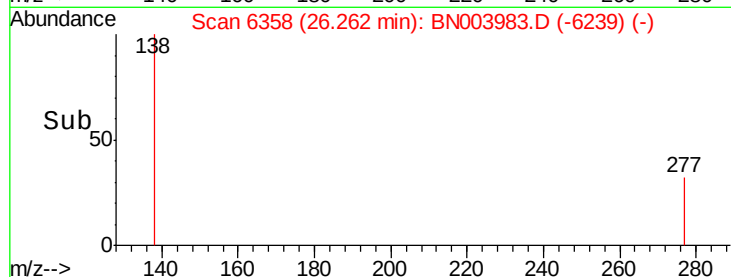
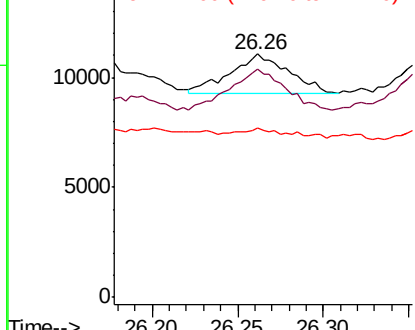
Indeno(1,2,3-cd)pyrene
Concen: 1.512 ng/ul
RT: 26.26 min Scan# 6358
Delta R.T. 0.20 min
Lab File: BN003983.D
Acq: 16 Dec 2018 06:30

Instrument :
BNA_N
ClientSampleId :
F9Y26

Tgt Ion: 276 Resp: 4187
Ion Ratio Lower Upper
276 100
138 97.4 20.3 30.5#
227 21.7 0.2 0.2#



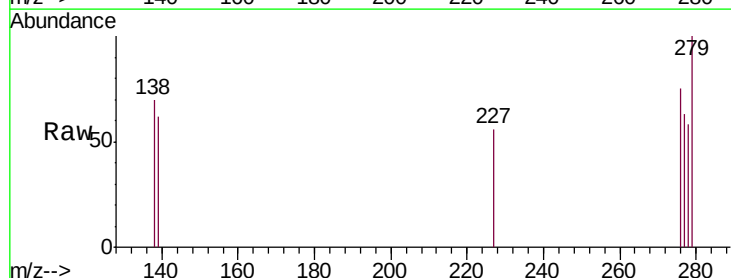
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



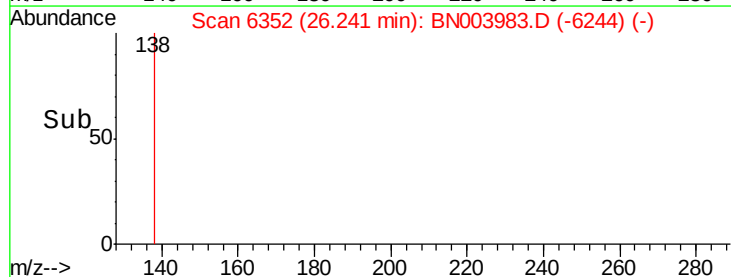
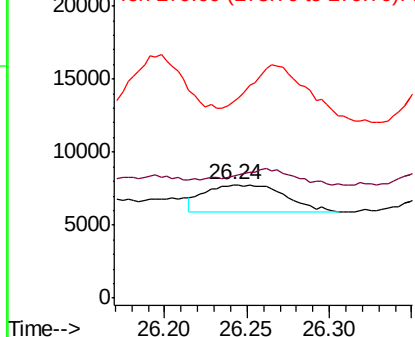
#25

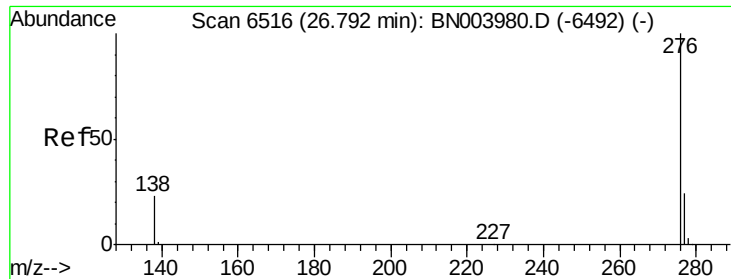
Dibenzo(a,h)anthracene
Concen: 2.908 ng/ul
RT: 26.24 min Scan# 6352
Delta R.T. 0.16 min
Lab File: BN003983.D
Acq: 16 Dec 2018 06:30

Tgt Ion: 278 Resp: 6479
Ion Ratio Lower Upper
278 100
139 107.6 14.2 21.4#
279 172.7 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: 198.721 ng/ul

RT: 26.87 min Scan# 6540

Delta R.T. 0.08 min

Lab File: BN003983.D

Acq: 16 Dec 2018 06:30

Instrument :

BNA_N

ClientSampleId :

F9Y26

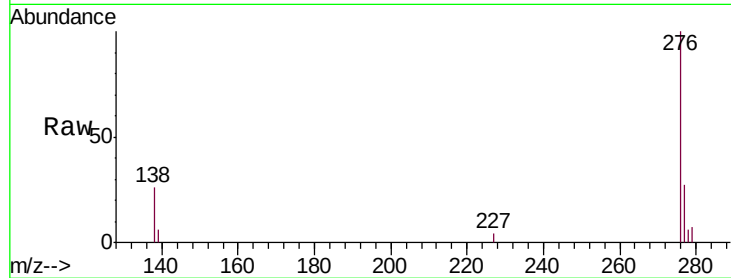
Tgt Ion: 276 Resp: 478187

Ion Ratio Lower Upper

276 100

138 25.8 17.7 26.5

277 27.4 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

