

Data File : BN004037.D
Acq On : 17 Dec 2018 16:03
Operator : JU/SJ
Sample : J6229-04DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9F02DL

Quant Time: Dec 18 04:32:17 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	1340	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	6898	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	4143	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	10526	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	12512	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	12646	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	669	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	2176	0.07	ng/ul	0.00

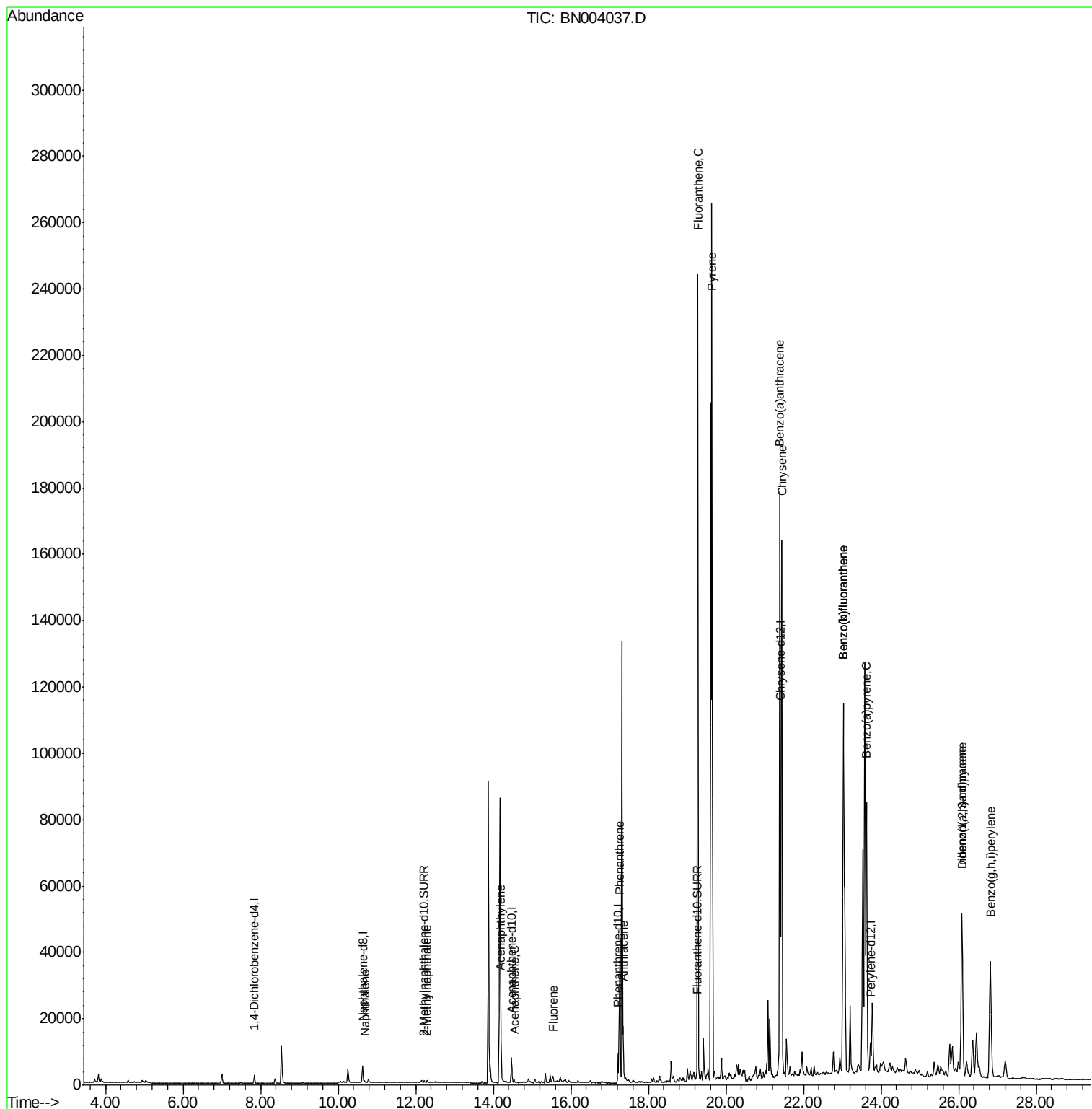
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	587	0.030	ng/ul#	64
5) 2-Methylnaphthalene	12.29	142	518	0.038	ng/ul	96
7) Acenaphthylene	14.19	152	16787	0.900	ng/ul	100
8) Acenaphthene	14.53	153	633	0.039	ng/ul#	93
9) Fluorene	15.54	166	1646	0.086	ng/ul#	52
12) Phenanthrene	17.26	178	45937	1.330	ng/ul	100
13) Anthracene	17.35	178	15015	0.529	ng/ul	98
15) Fluoranthene	19.28	202	201935	4.950	ng/ul	98
17) Pyrene	19.64	202	214137	4.772	ng/ul	96
18) Benzo(a)anthracene	21.39	228	136288	3.449	ng/ul	97
19) Chrysene	21.44	228	157570	3.484	ng/ul	97
21) Benzo(b)fluoranthene	23.02	252	254486	4.865	ng/ul	99
22) Benzo(k)fluoranthene	23.02	252	254486	4.993	ng/ul	99
23) Benzo(a)pyrene	23.62	252	113546	2.507	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	26.09	276	78572	1.513	ng/ul	96
25) Dibenzo(a,h)anthracene	26.09	278	23679	0.566	ng/ul#	89
26) Benzo(g,h,i)perylene	26.82	276	72534	1.607	ng/ul	98

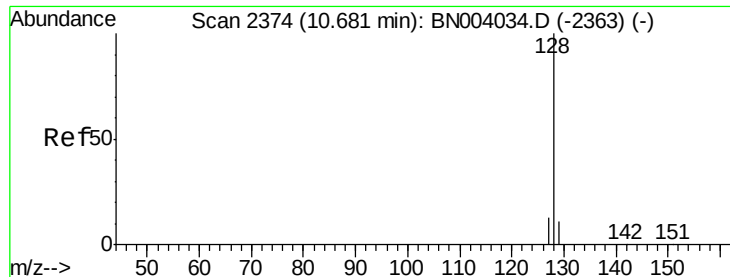
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 18 04:32:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 04:29:07 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.030 ng/ul

RT: 10.68 min Scan# 2374

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

ClientSampleId :

F9F02DL

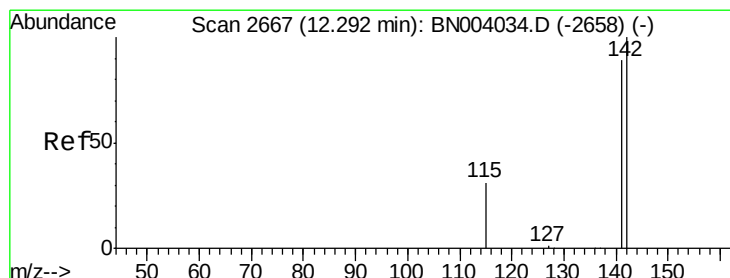
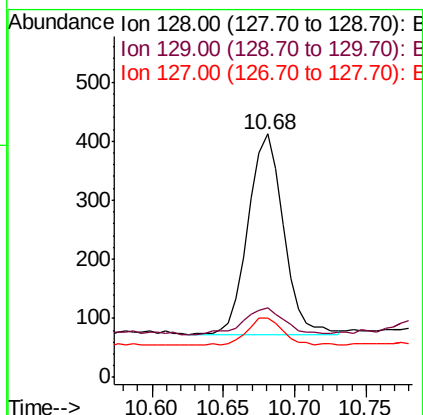
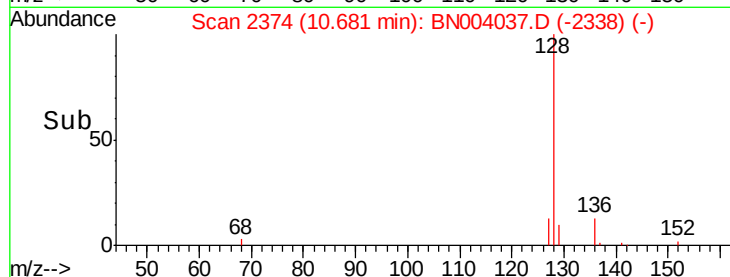
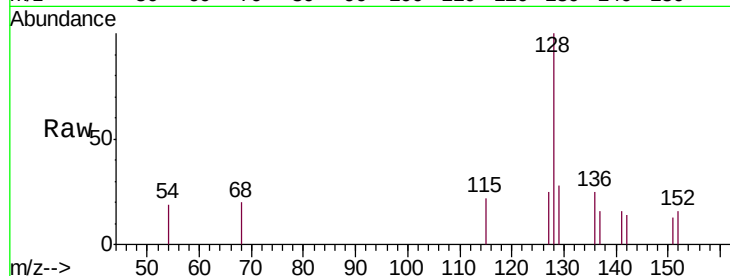
Tgt Ion:128 Resp: 587

Ion Ratio Lower Upper

128 100

129 28.4 9.0 13.6#

127 24.5 10.5 15.7#



#5

2-Methylnaphthalene

Concen: 0.038 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BN004037.D

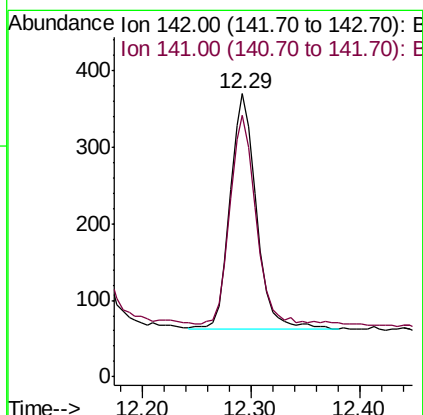
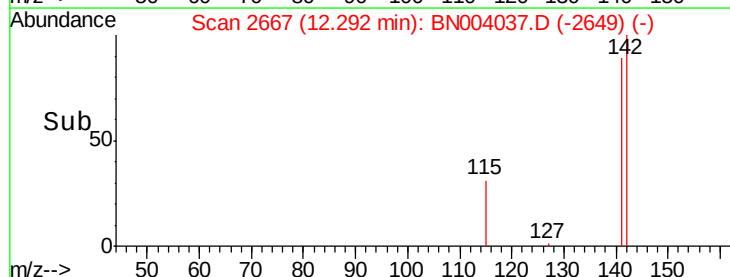
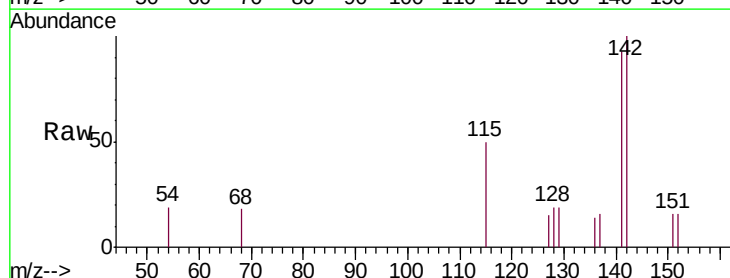
Acq: 17 Dec 2018 16:03

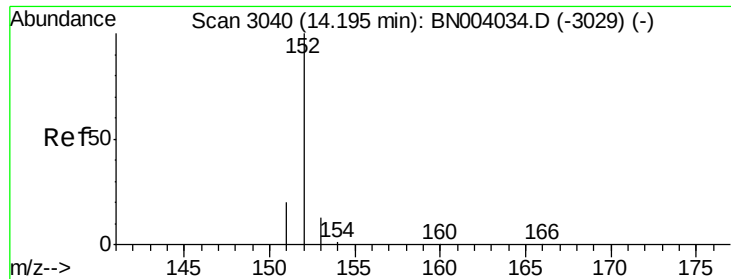
Tgt Ion:142 Resp: 518

Ion Ratio Lower Upper

142 100

141 93.4 71.5 107.3





#7

Acenaphthylene

Concen: 0.900 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

ClientSampleId :

F9F02DL

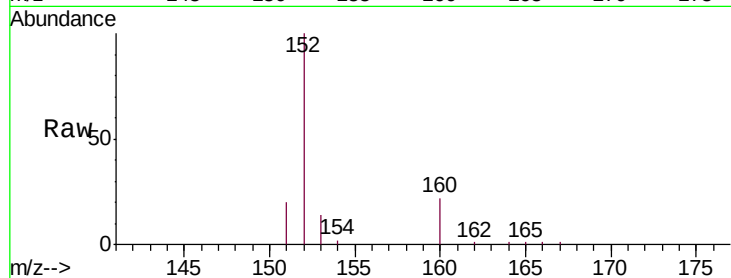
Tgt Ion:152 Resp: 16787

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

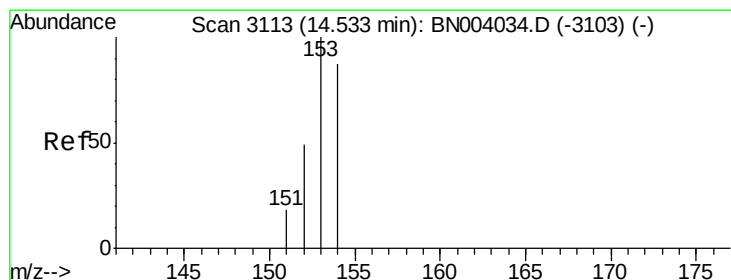
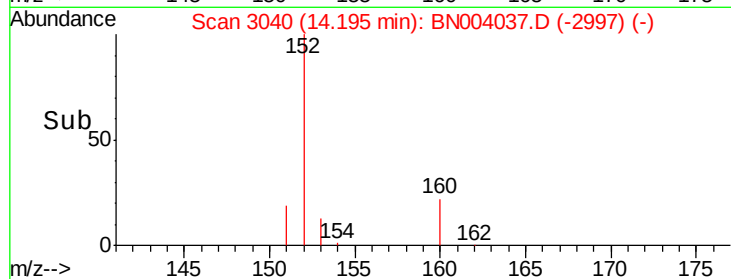
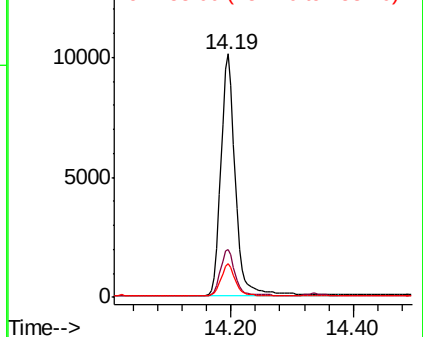
153 13.7 10.7 16.1



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: 0.039 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

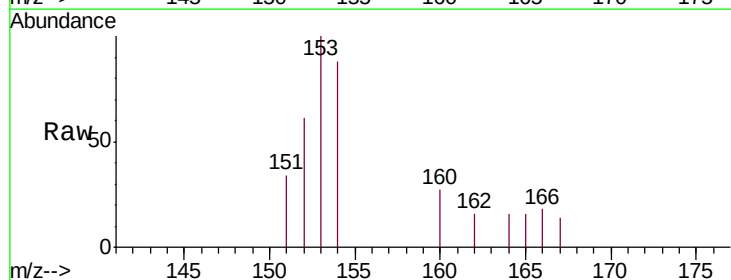
Tgt Ion:153 Resp: 633

Ion Ratio Lower Upper

153 100

152 61.0 39.3 58.9#

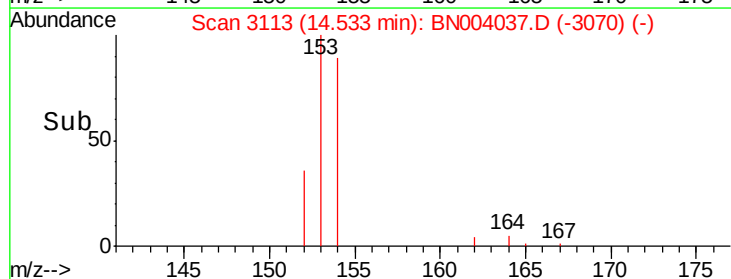
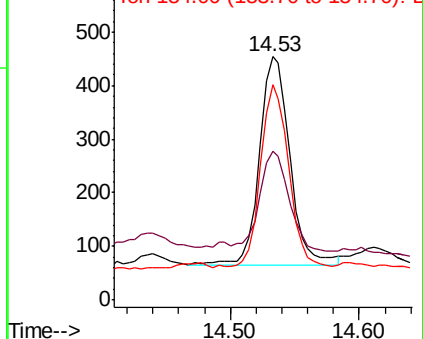
154 88.3 70.3 105.5

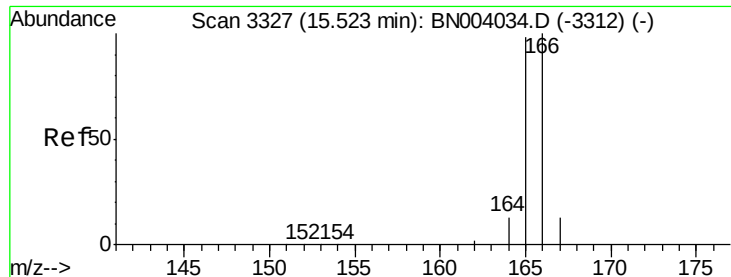


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

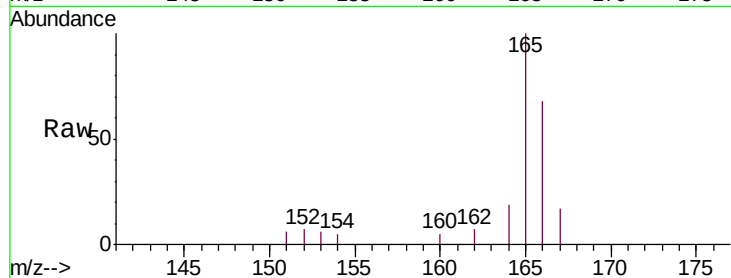




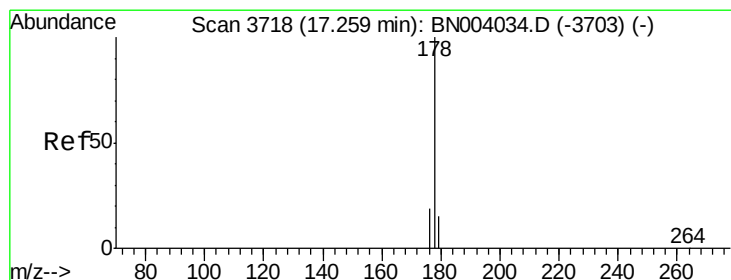
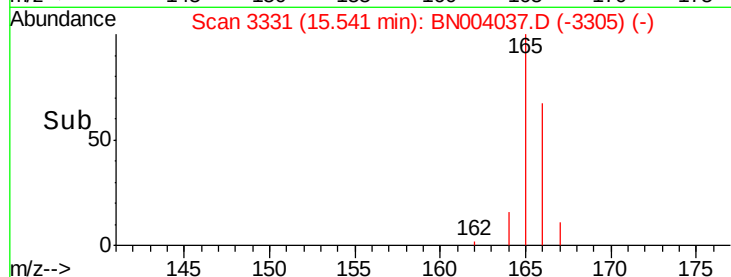
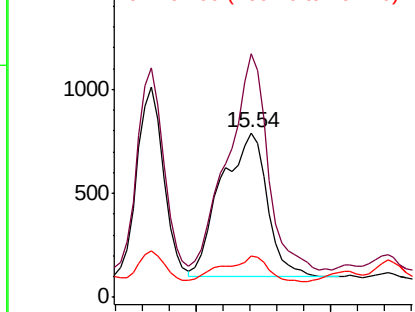
#9
Fluorene
 Concen: 0.086 ng/ul
 RT: 15.54 min Scan# 3331
 Delta R.T. 0.02 min
 Lab File: BN004037.D
 Acq: 17 Dec 2018 16:03

Instrument :
 BNA_N
 ClientSampleId :
 F9F02DL

Tgt Ion:166 Resp: 1646
 Ion Ratio Lower Upper
 166 100
 165 147.7 78.3 117.5#
 167 25.3 11.3 16.9#

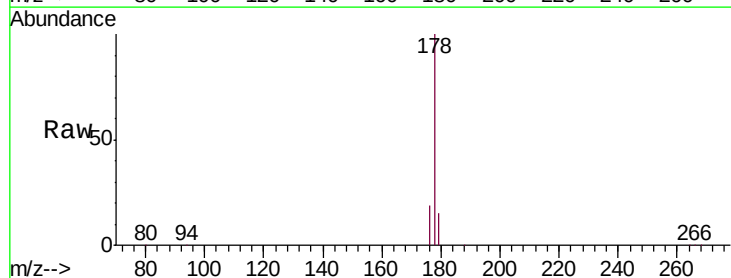


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

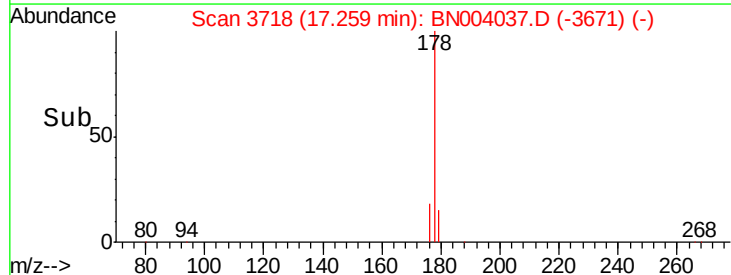
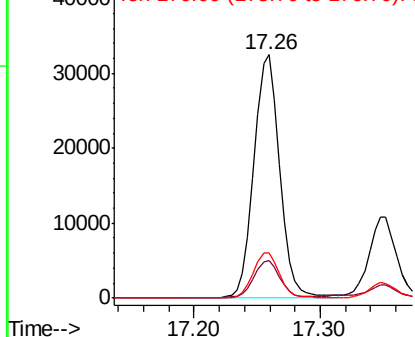


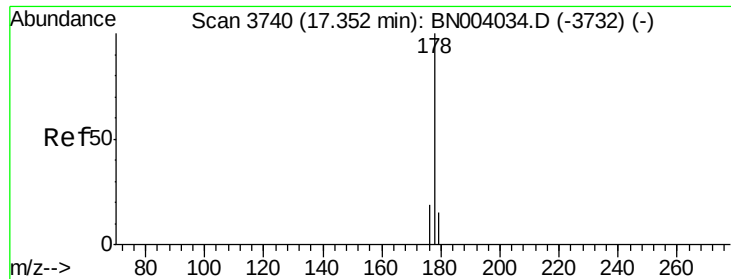
#12
Phenanthrene
 Concen: 1.330 ng/ul
 RT: 17.26 min Scan# 3718
 Delta R.T. 0.00 min
 Lab File: BN004037.D
 Acq: 17 Dec 2018 16:03

Tgt Ion:178 Resp: 45937
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.5 18.7
 176 18.7 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





#13

Anthracene

Concen: 0.529 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

ClientSampleId :

F9F02DL

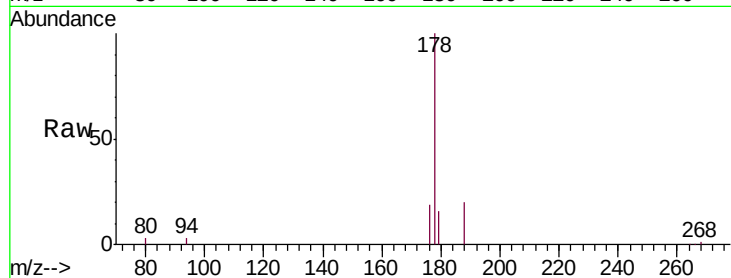
Tgt Ion:178 Resp: 15015

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

176 19.2 14.8 22.2

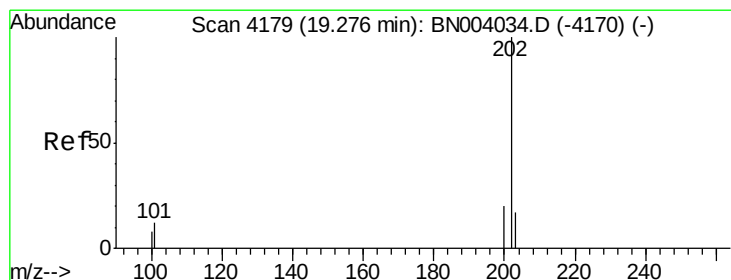
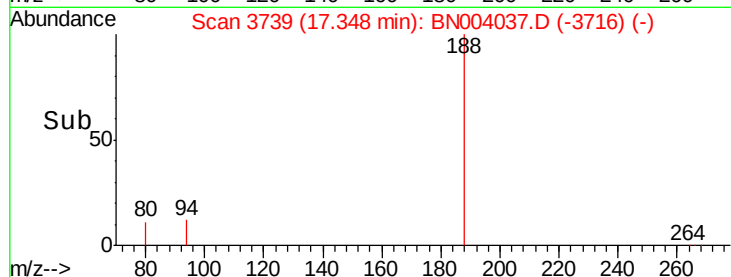
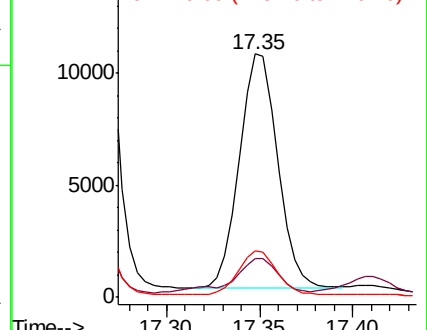


Abundance

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: 4.950 ng/ul

RT: 19.28 min Scan# 4179

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

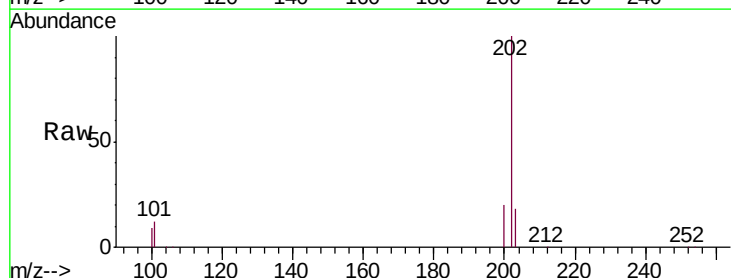
Tgt Ion:202 Resp: 201935

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.7

100 8.7 0.0 28.1

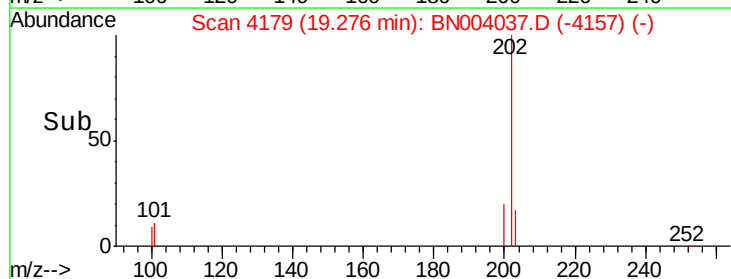
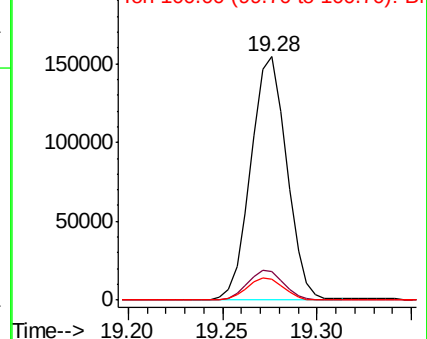


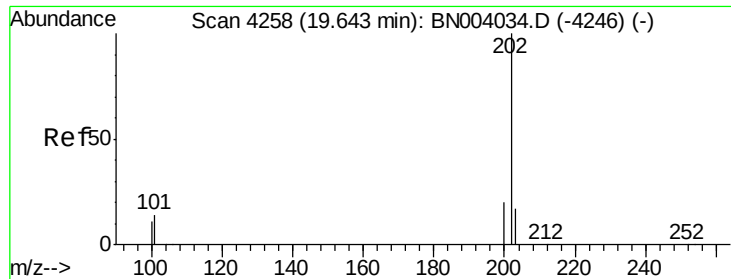
Abundance

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: 4.772 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. -0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

ClientSampleId :

F9F02DL

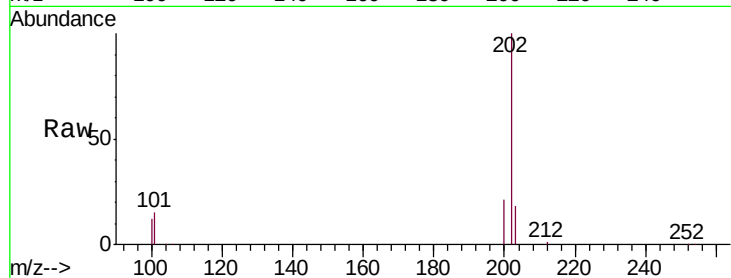
Tgt Ion:202 Resp: 214137

Ion Ratio Lower Upper

202 100

101 14.6 10.3 15.5

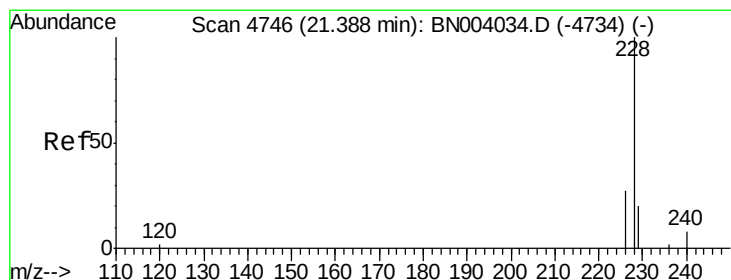
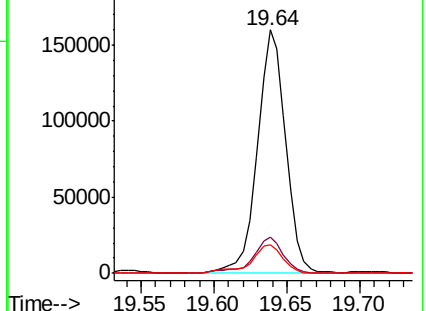
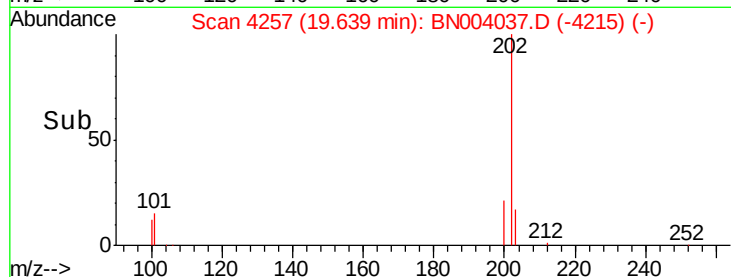
100 11.7 8.5 12.7



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: 3.449 ng/ul

RT: 21.39 min Scan# 4746

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

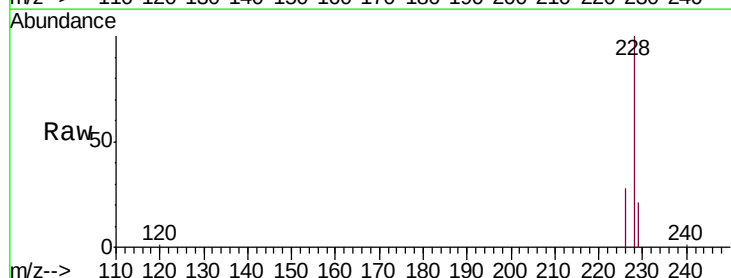
Tgt Ion:228 Resp: 136288

Ion Ratio Lower Upper

228 100

229 20.7 15.6 23.4

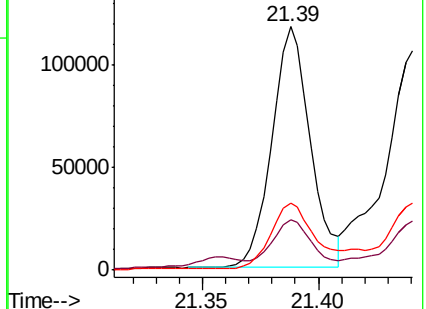
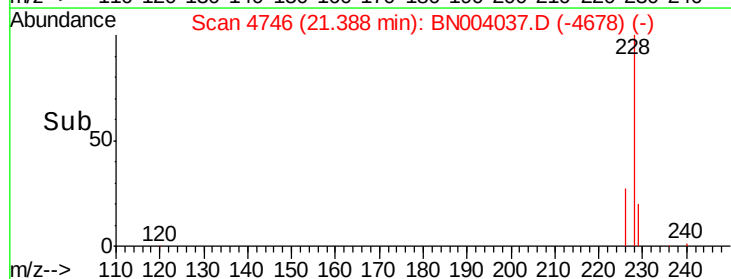
226 27.7 21.1 31.7

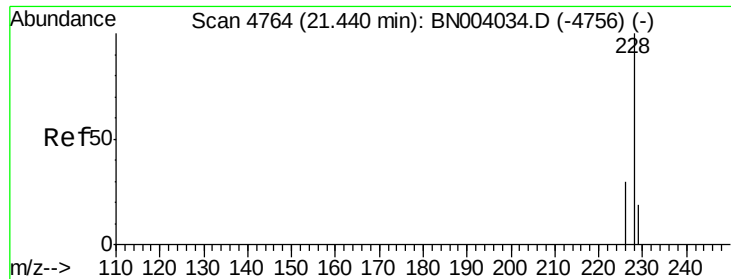


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.484 ng/ul

RT: 21.44 min Scan# 4764

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

ClientSampleId :

F9F02DL

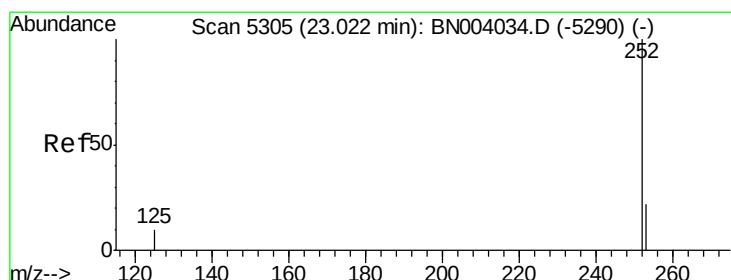
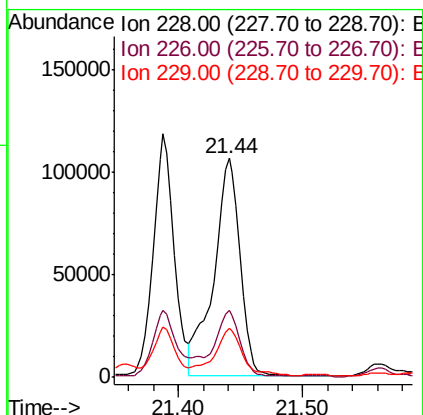
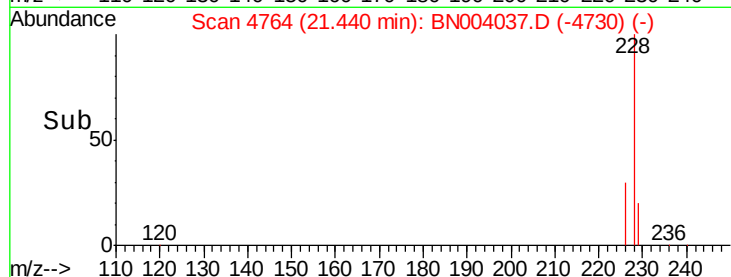
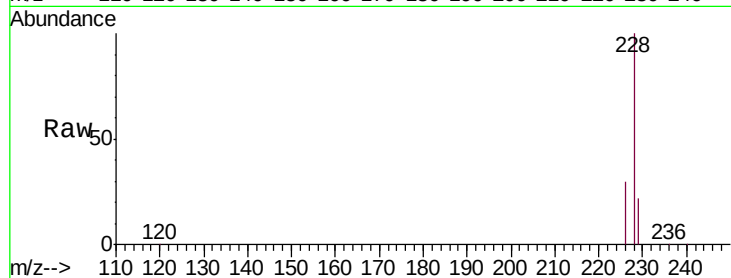
Tgt Ion:228 Resp: 157570

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

229 22.2 15.7 23.5



#21

Benzo(b)fluoranthene

Concen: 4.865 ng/ul

RT: 23.02 min Scan# 5306

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

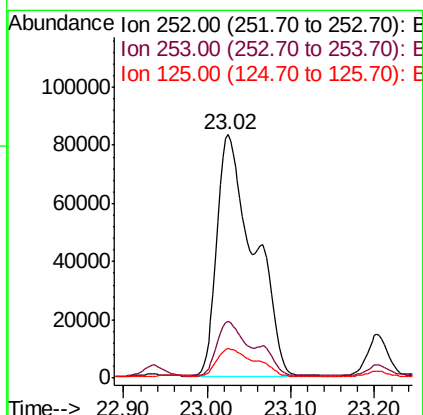
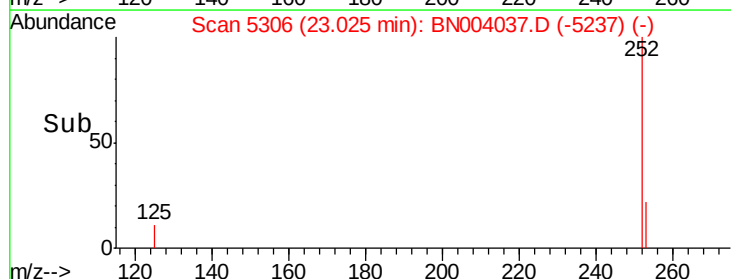
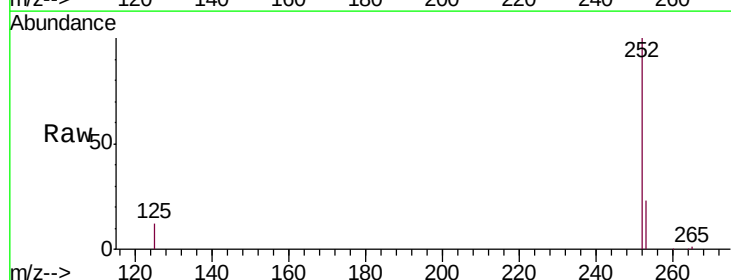
Tgt Ion:252 Resp: 254486

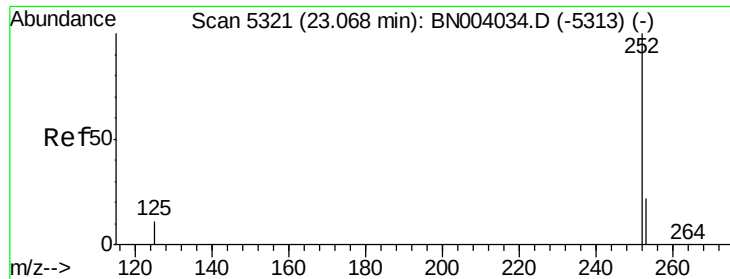
Ion Ratio Lower Upper

252 100

253 23.3 0.0 46.0

125 12.1 0.0 22.4





#22

Benzo(k)fluoranthene

Concen: 4.993 ng/ul

RT: 23.02 min Scan# 5306

Delta R.T. -0.04 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

ClientSampleId :

F9F02DL

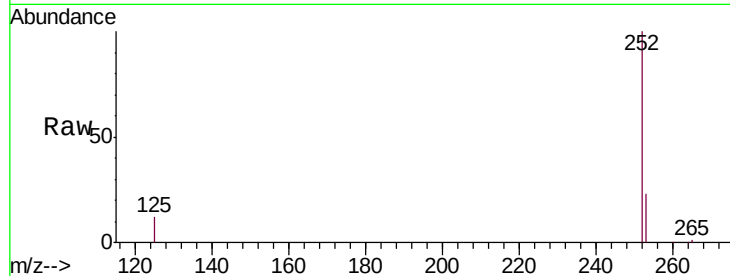
Tgt Ion:252 Resp: 254486

Ion Ratio Lower Upper

252 100

253 23.3 18.5 27.7

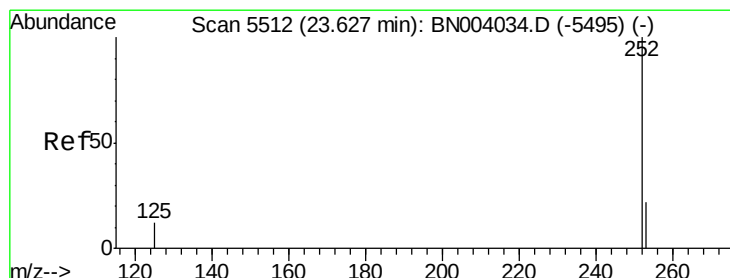
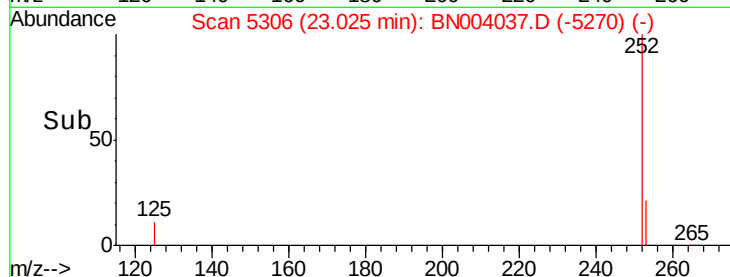
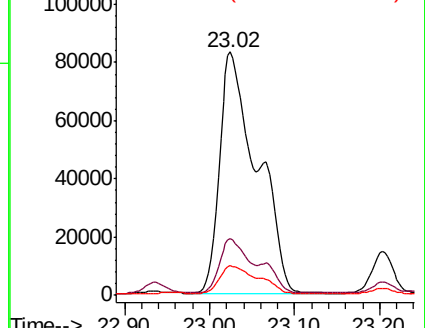
125 12.1 9.0 13.6



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: 2.507 ng/ul

RT: 23.62 min Scan# 5511

Delta R.T. -0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

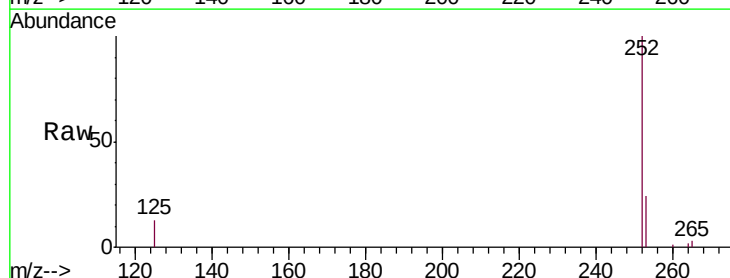
Tgt Ion:252 Resp: 113546

Ion Ratio Lower Upper

252 100

253 23.6 19.0 28.4

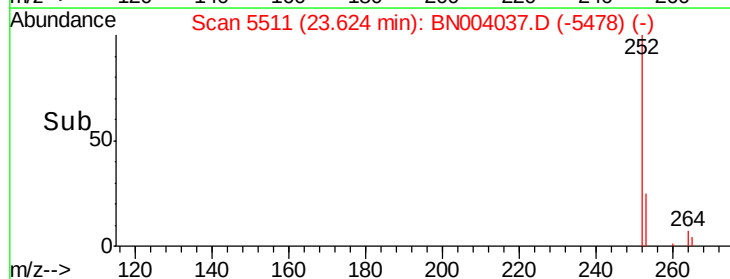
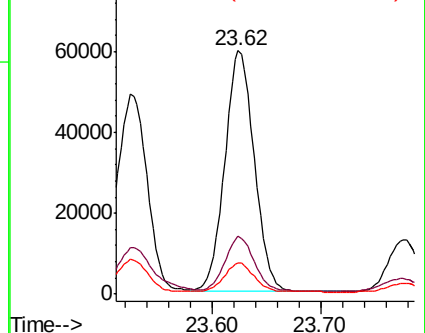
125 12.9 10.2 15.4

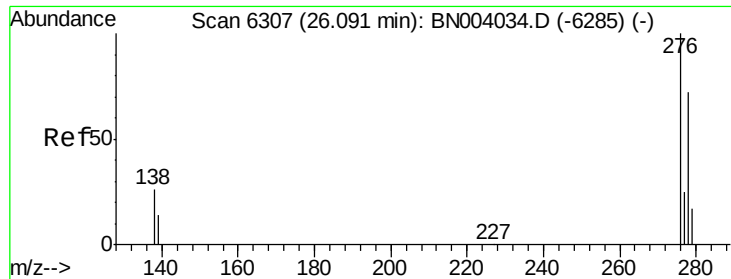


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

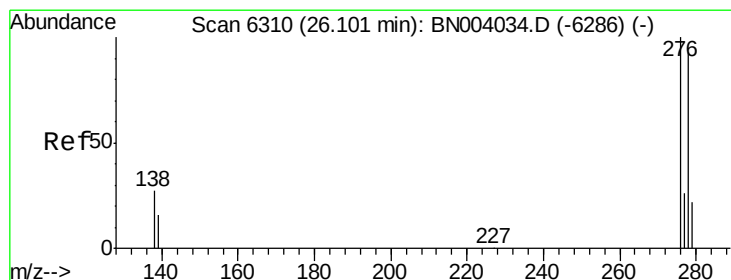
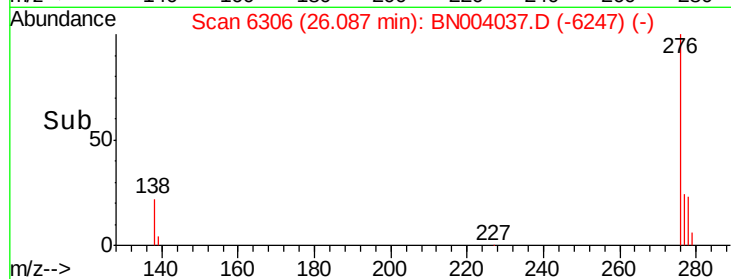
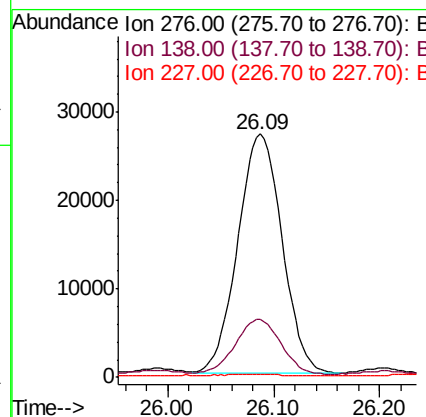
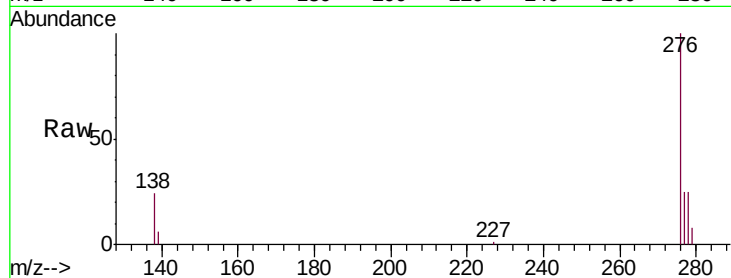




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.513 ng/ul
 RT: 26.09 min Scan# 6306
 Delta R.T. -0.00 min
 Lab File: BN004037.D
 Acq: 17 Dec 2018 16:03

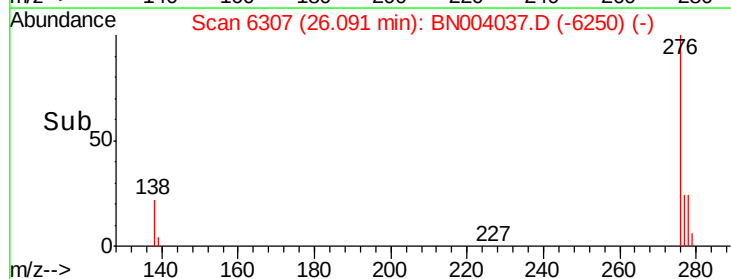
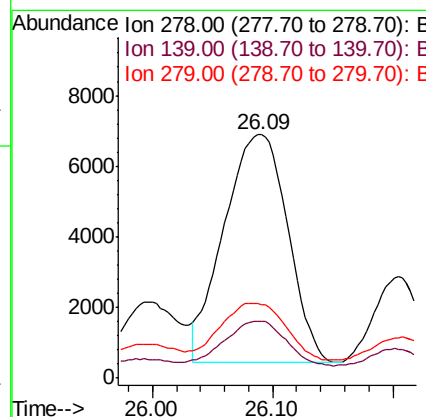
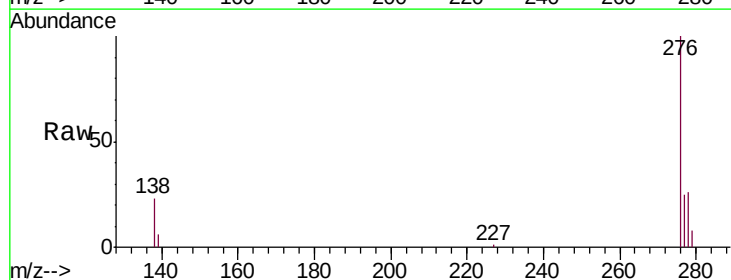
Instrument :
 BNA_N
 ClientSampleId :
 F9F02DL

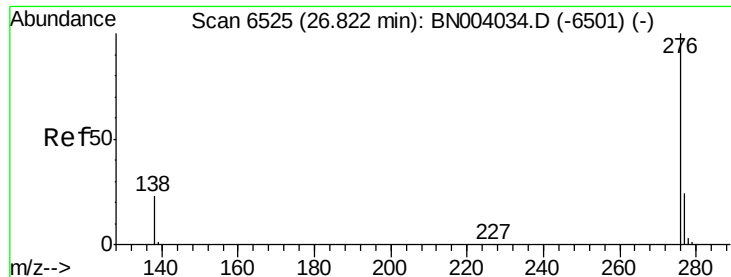
Tgt Ion: 276 Resp: 78572
 Ion Ratio Lower Upper
 276 100
 138 23.4 20.3 30.5
 227 0.2 0.2 0.2



#25
 Dibenzo(a,h)anthracene
 Concen: 0.566 ng/ul
 RT: 26.09 min Scan# 6307
 Delta R.T. -0.01 min
 Lab File: BN004037.D
 Acq: 17 Dec 2018 16:03

Tgt Ion: 278 Resp: 23679
 Ion Ratio Lower Upper
 278 100
 139 23.3 14.2 21.4#
 279 30.1 19.8 29.6#





#26

Benzo(g,h,i)perylene

Concen: 1.607 ng/ul

RT: 26.82 min Scan# 6524

Delta R.T. -0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

ClientSampleId :

F9F02DL

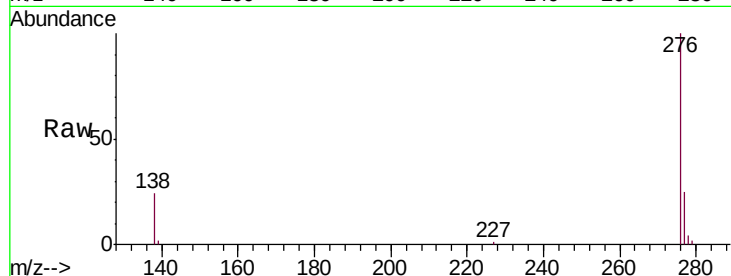
Tgt Ion: 276 Resp: 72534

Ion Ratio Lower Upper

276 100

138 23.7 17.7 26.5

277 24.7 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

