

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101218\
 Data File : BN003121.D
 Acq On : 12 Oct 2018 01:53
 Operator : MJ/SJ
 Sample : J5230-13DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 12 05:38:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 12 05:29:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1574	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.40	136	6161	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	2960	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	5447	0.40	ng/ul	-0.01
16) Chrysene-d12	21.22	240	4739	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	5671	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	420	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	740	0.05	ng/ul	0.00

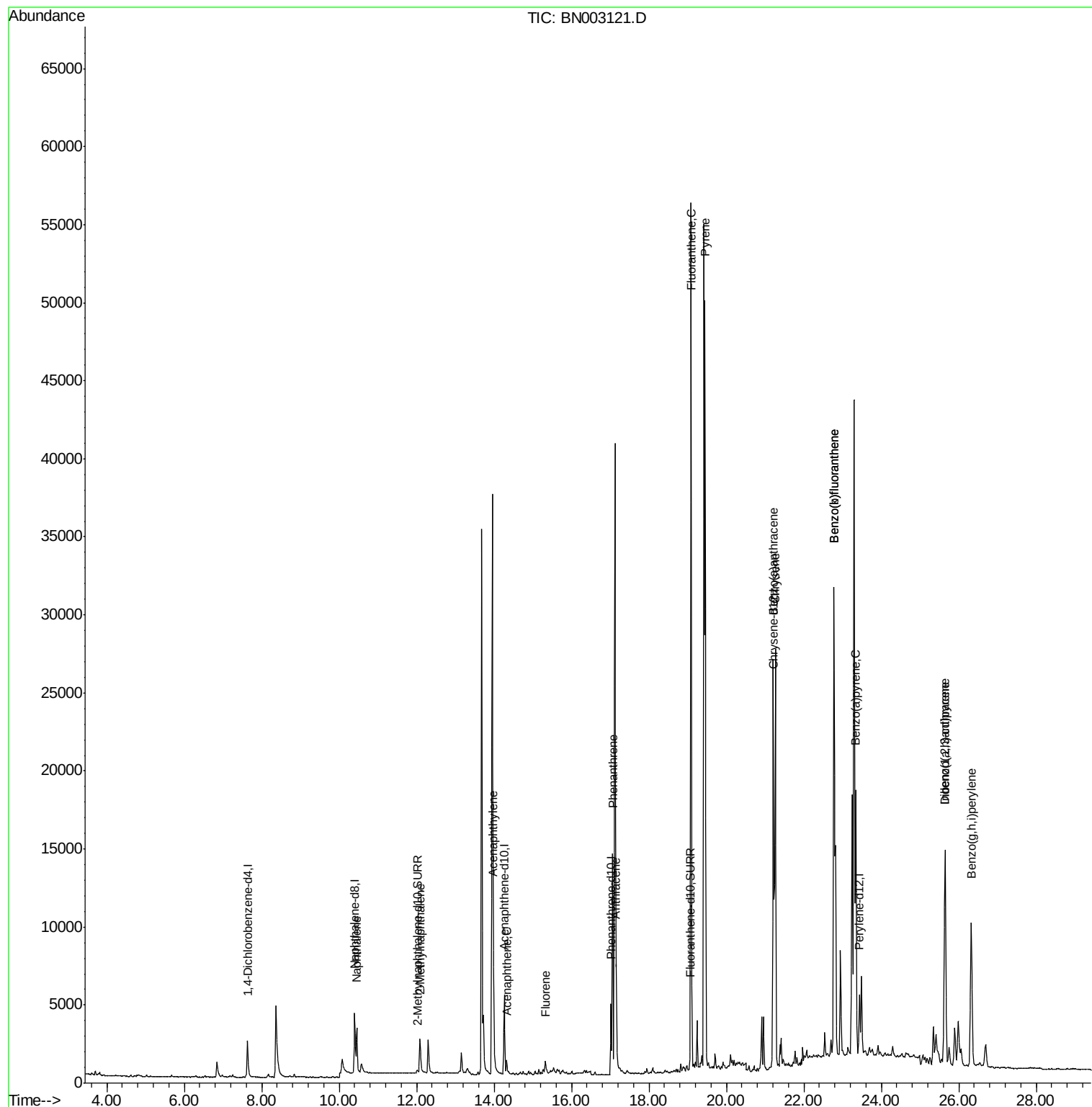
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.45	128	4656	0.294	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	2541	0.233	ng/ul	97
7) Acenaphthylene	13.98	152	8255	0.610	ng/ul	99
8) Acenaphthene	14.32	153	587	0.057	ng/ul	96
9) Fluorene	15.32	166	675	0.057	ng/ul#	89
12) Phenanthrene	17.06	178	16208	1.067	ng/ul	100
13) Anthracene	17.15	178	7545	0.526	ng/ul	99
15) Fluoranthene	19.09	202	47851	2.686	ng/ul	99
17) Pyrene	19.45	202	41806	2.271	ng/ul	97
18) Benzo(a)anthracene	21.21	228	22293	1.462	ng/ul	98
19) Chrysene	21.26	228	28007	1.809	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	61496	3.011	ng/ul	92
22) Benzo(k)fluoranthene	22.78	252	61496	2.905	ng/ul#	91
23) Benzo(a)pyrene	23.34	252	23138	1.264	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.65	276	21474	1.021	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.64	278	6007	0.357	ng/ul	94
26) Benzo(a,h,i)perylene	26.32	276	18572	1.047	ng/ul	95

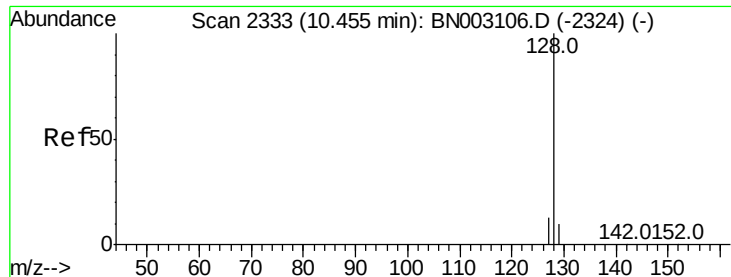
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.294 ng/ul

RT: 10.45 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BN003121.D

Acq: 12 Oct 2018 01:53

Instrument :

BNA_N

ClientSampleId :

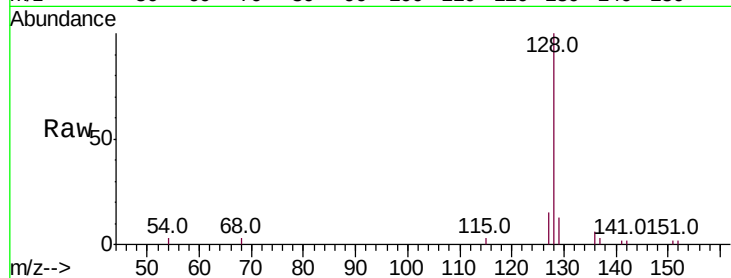
Tot Ion:128 Resp: 4656

Ion Ratio Lower Upper

128 100

129 13.4 10.4 15.6

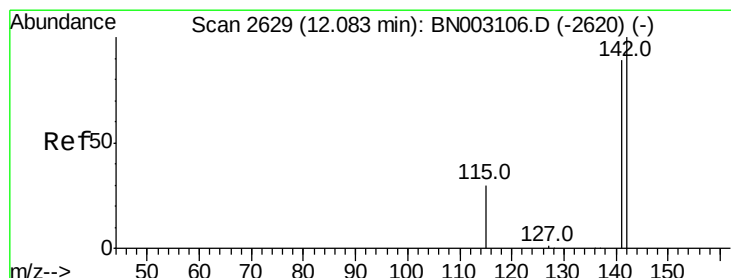
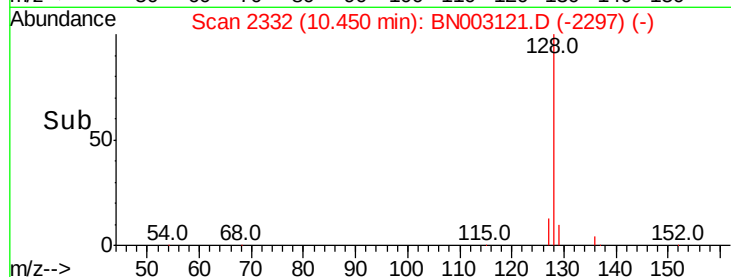
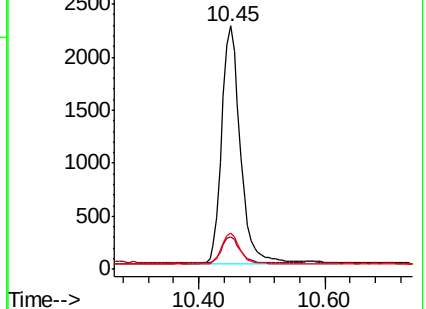
127 15.0 11.7 17.5



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: 0.233 ng/ul

RT: 12.08 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BN003121.D

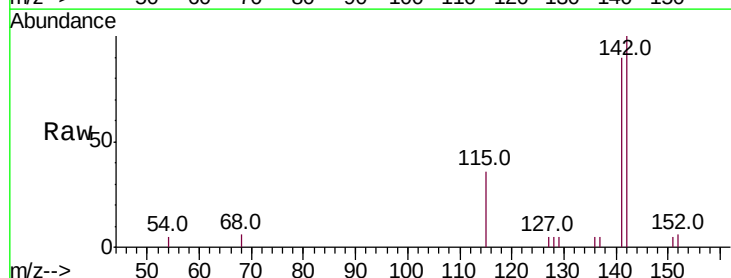
Acq: 12 Oct 2018 01:53

Tgt Ion:142 Resp: 2541

Ion Ratio Lower Upper

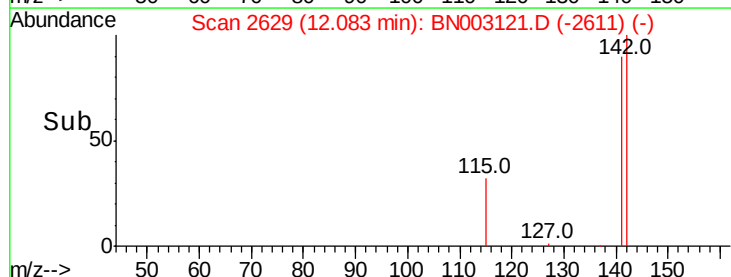
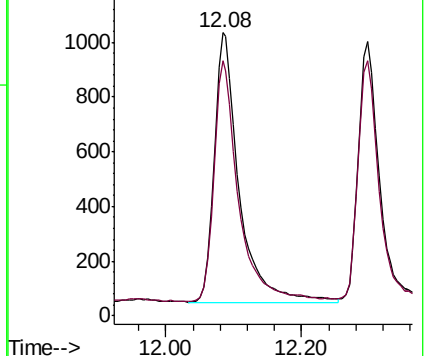
142 100

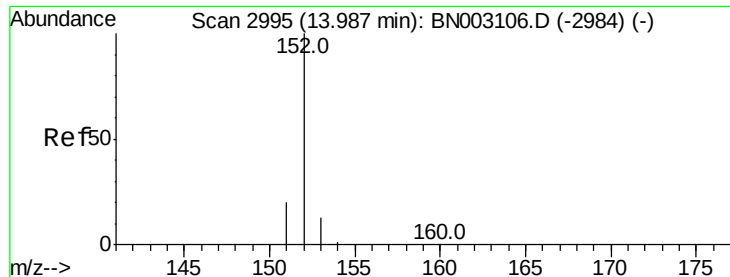
141 88.6 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.610 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. -0.00 min

Lab File: BN003121.D

Acq: 12 Oct 2018 01:53

Instrument :

BNA_N

ClientSampleId :

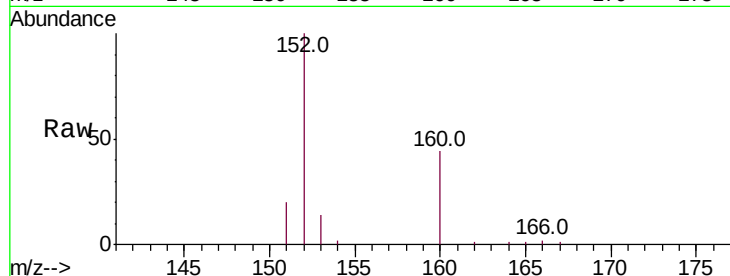
Tot Ion:152 Resp: 8255

Ion Ratio Lower Upper

152 100

151 20.3 16.5 24.7

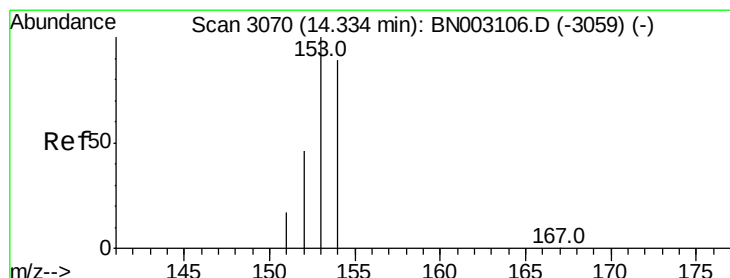
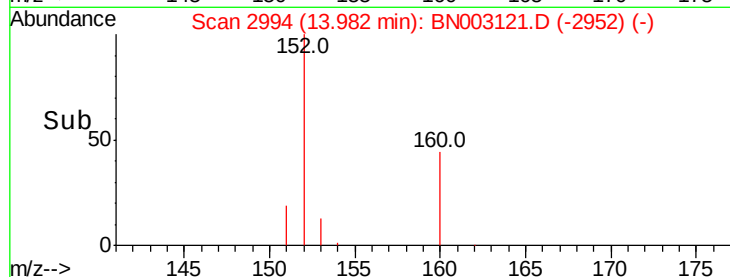
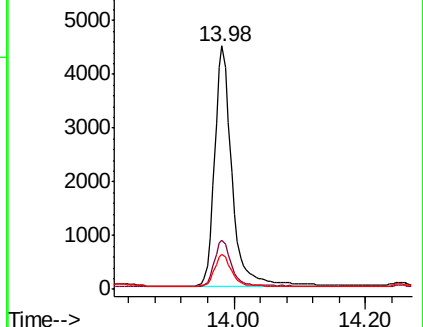
153 14.4 11.4 17.2



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: 0.057 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BN003121.D

Acq: 12 Oct 2018 01:53

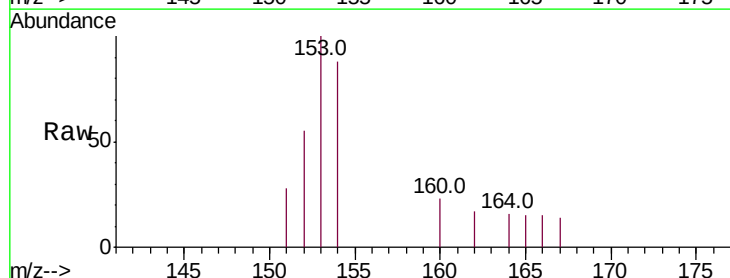
Tgt Ion:153 Resp: 587

Ion Ratio Lower Upper

153 100

152 55.3 38.2 57.4

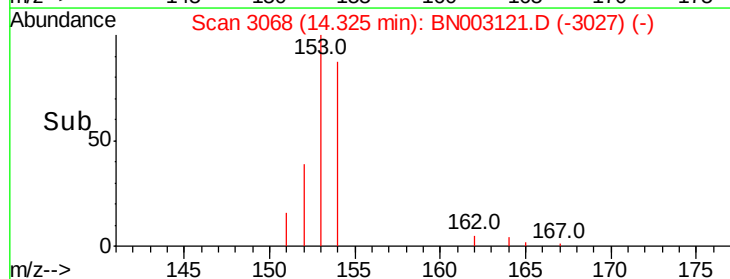
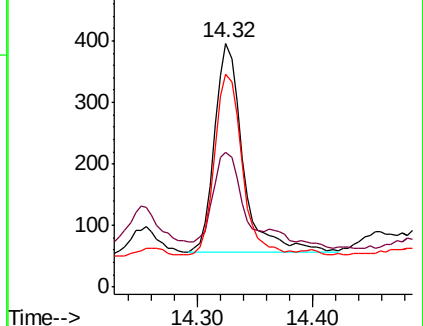
154 87.6 70.2 105.2

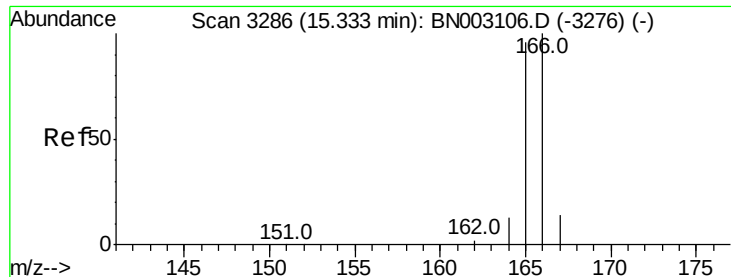


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

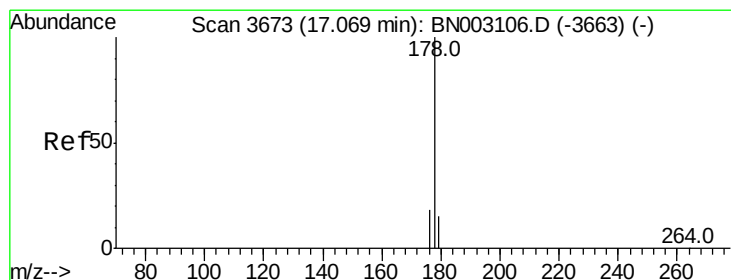
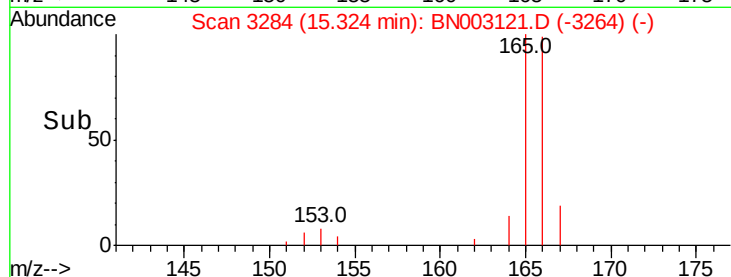
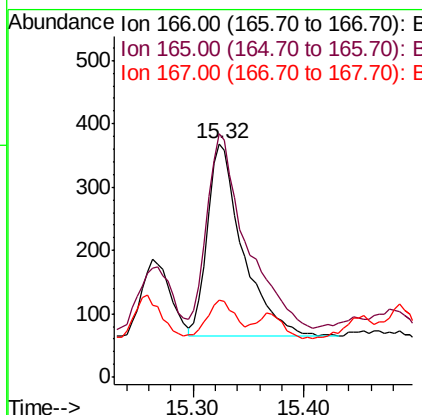
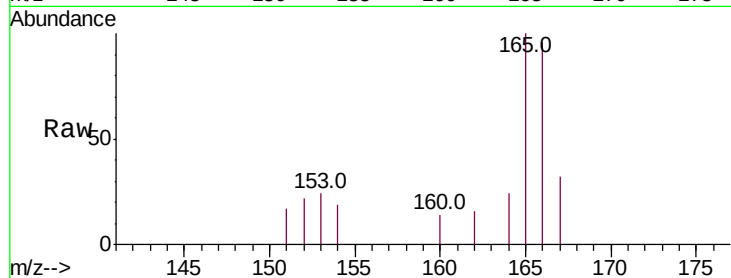




#9
Fluorene
 Concen: 0.057 ng/ul
 RT: 15.32 min Scan# 3284
 Delta R.T. -0.01 min
 Lab File: BN003121.D
 Acq: 12 Oct 2018 01:53

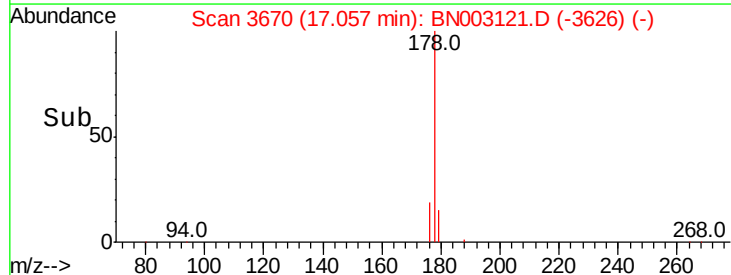
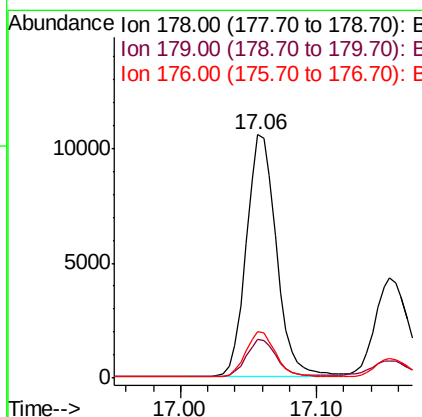
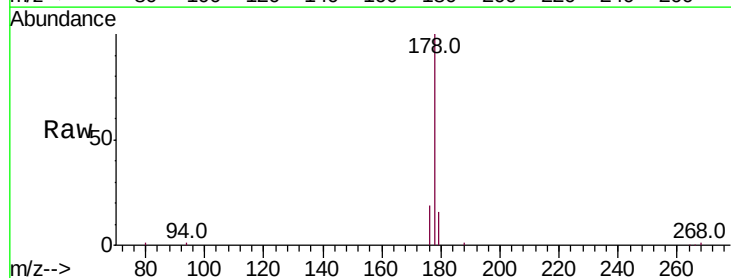
Instrument :
 BNA_N
 ClientSampleId :

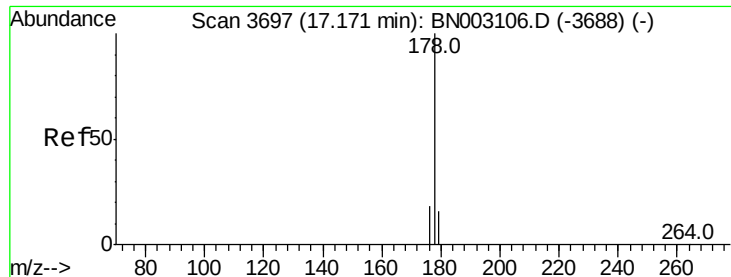
Tot Ion:166 Resp: 675
 Ion Ratio Lower Upper
 166 100
 165 104.1 78.5 117.7
 167 32.8 11.6 17.4#



#12
Phenanthrene
 Concen: 1.067 ng/ul
 RT: 17.06 min Scan# 3670
 Delta R.T. -0.01 min
 Lab File: BN003121.D
 Acq: 12 Oct 2018 01:53

Tgt Ion:178 Resp: 16208
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.9 19.3
 176 19.0 15.4 23.2





#13

Anthracene

Concen: 0.526 ng/ul

RT: 17.15 min Scan# 3693

Delta R.T. -0.02 min

Lab File: BN003121.D

Acq: 12 Oct 2018 01:53

Instrument :

BNA_N

ClientSampled :

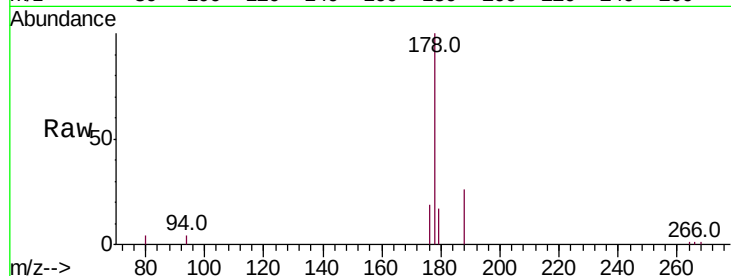
Tot Ion:178 Resp: 7545

Ion Ratio Lower Upper

178 100

179 17.3 13.0 19.6

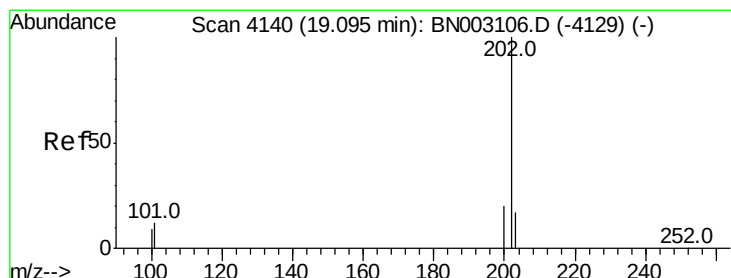
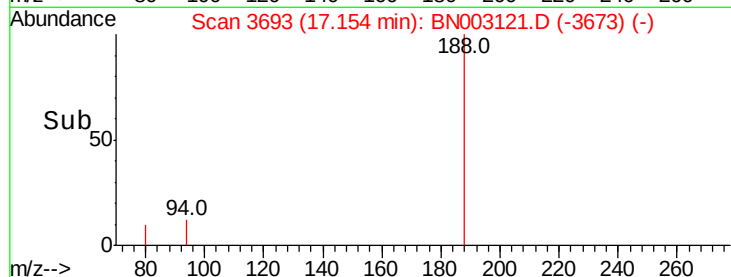
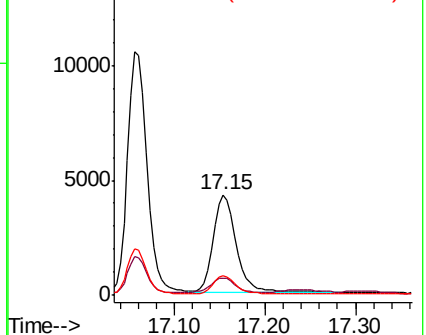
176 19.1 15.3 22.9



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: 2.686 ng/ul

RT: 19.09 min Scan# 4138

Delta R.T. -0.01 min

Lab File: BN003121.D

Acq: 12 Oct 2018 01:53

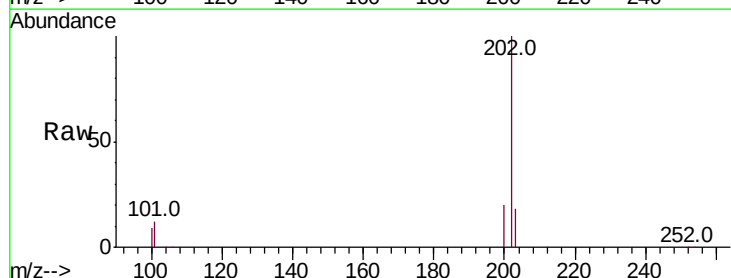
Tgt Ion:202 Resp: 47851

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.3

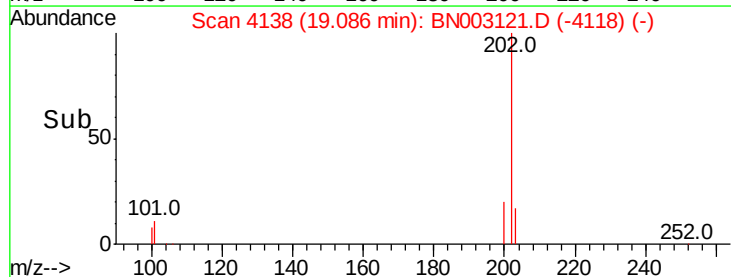
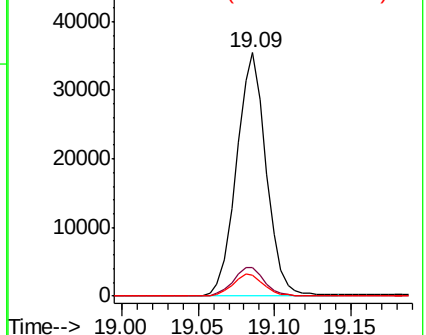
100 8.6 0.0 29.1

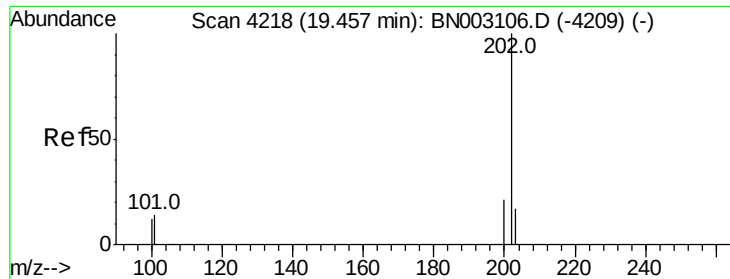


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

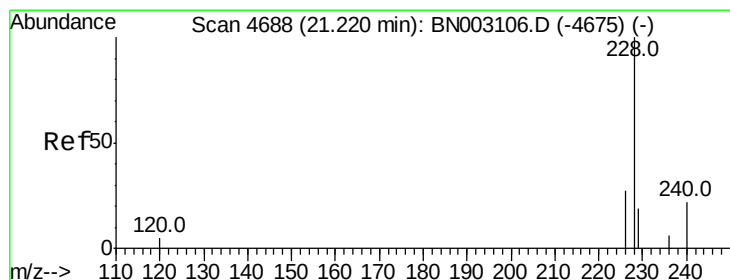
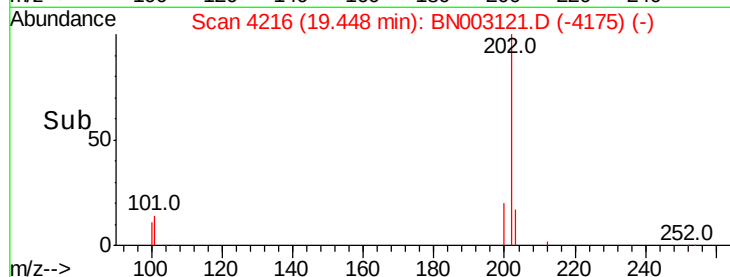
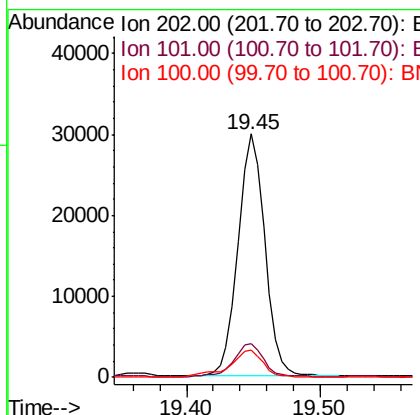
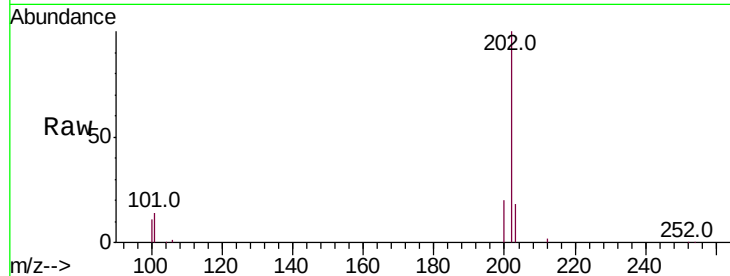




#17
 Pvrene
 Concen: 2.271 ng/ul
 RT: 19.45 min Scan# 4216
 Delta R.T. -0.01 min
 Lab File: BN003121.D
 Acq: 12 Oct 2018 01:53

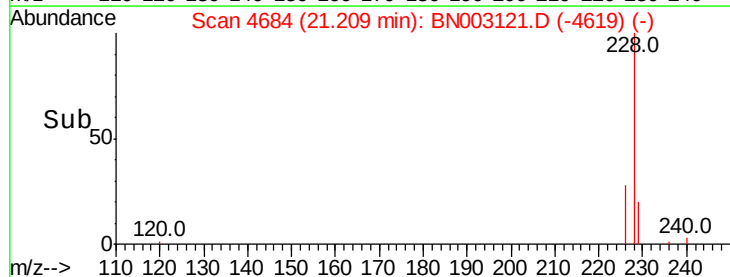
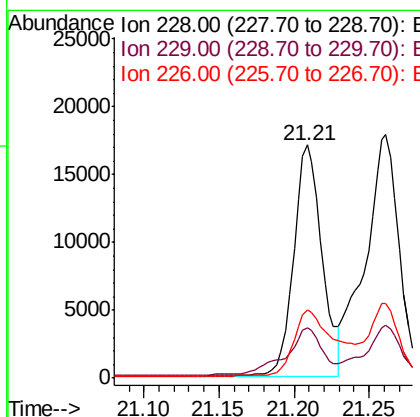
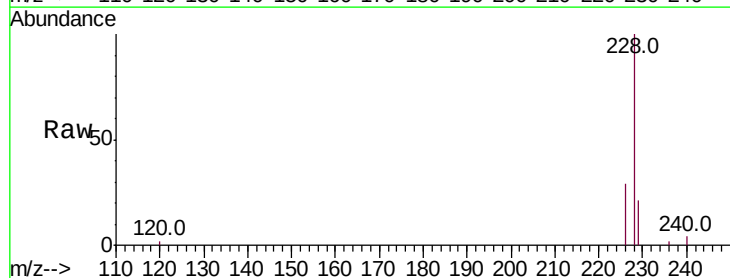
Instrument :
 BNA_N
 ClientSampleId :

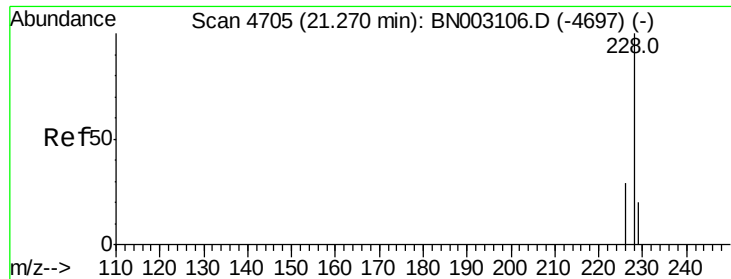
Tot Ion:202 Resp: 41806
 Ion Ratio Lower Upper
 202 100
 101 13.7 11.9 17.9
 100 11.2 9.9 14.9



#18
 Benzo(a)anthracene
 Concen: 1.462 ng/ul
 RT: 21.21 min Scan# 4684
 Delta R.T. -0.01 min
 Lab File: BN003121.D
 Acq: 12 Oct 2018 01:53

Tgt Ion:228 Resp: 22293
 Ion Ratio Lower Upper
 228 100
 229 21.4 16.2 24.2
 226 29.0 22.3 33.5





#19

Chrysene

Concen: 1.809 ng/ul

RT: 21.26 min Scan# 4702

Delta R.T. -0.01 min

Lab File: BN003121.D

Acq: 12 Oct 2018 01:53

Instrument :

BNA_N

ClientSampled :

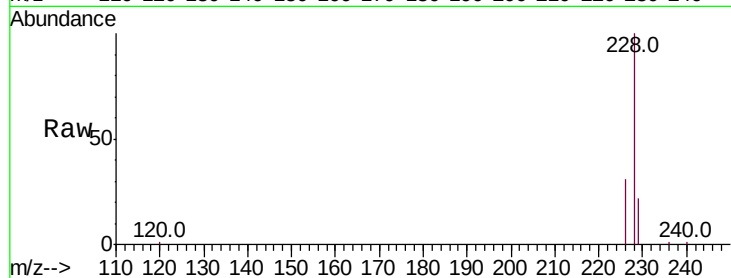
Tot Ion:228 Resp: 28007

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

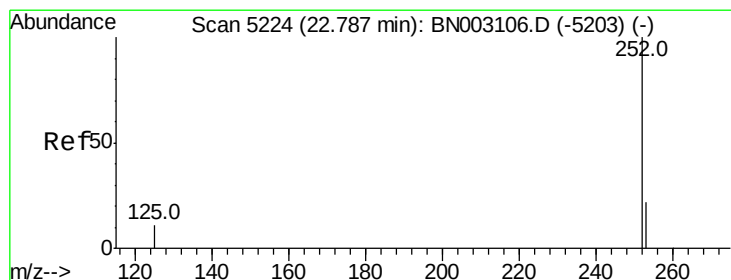
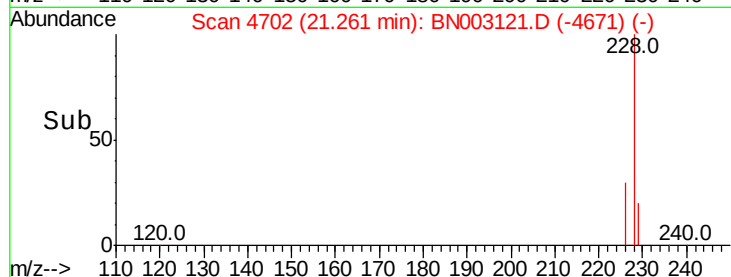
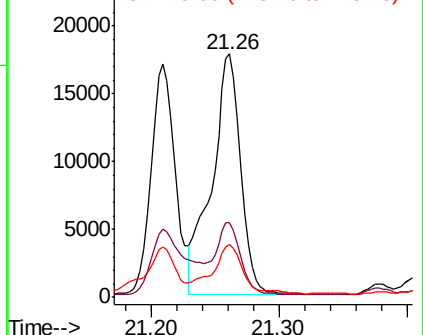
229 21.9 16.7 25.1



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: 3.011 ng/ul

RT: 22.78 min Scan# 5220

Delta R.T. -0.01 min

Lab File: BN003121.D

Acq: 12 Oct 2018 01:53

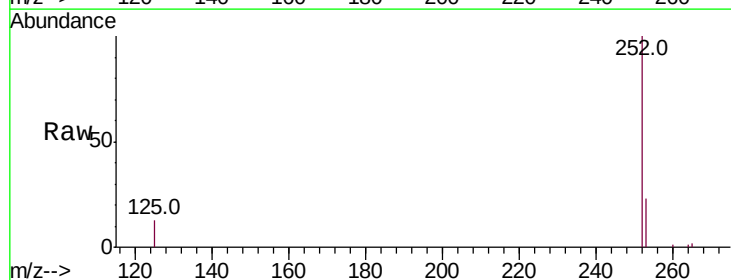
Tgt Ion:252 Resp: 61496

Ion Ratio Lower Upper

252 100

253 22.6 0.0 53.2

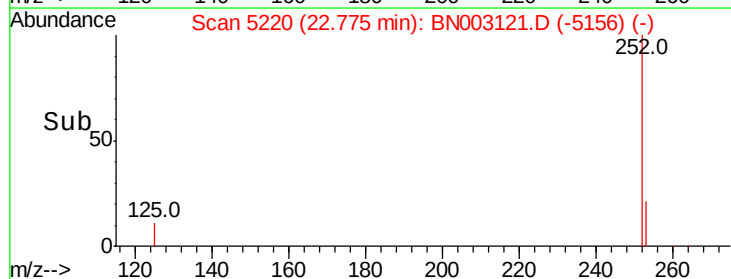
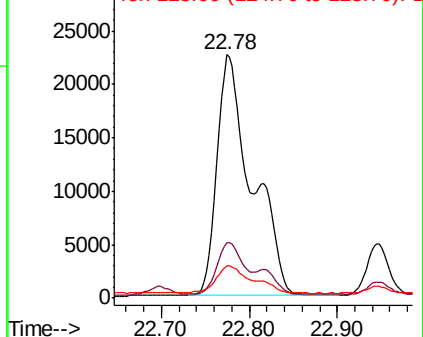
125 13.3 0.0 34.2

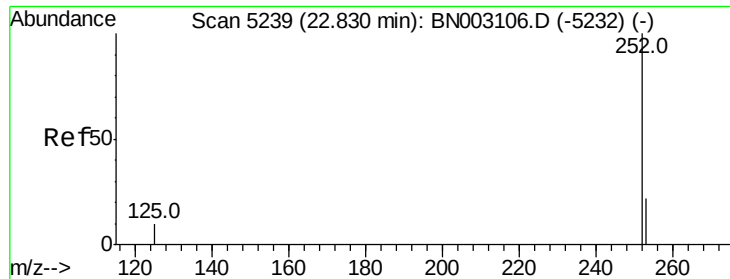


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

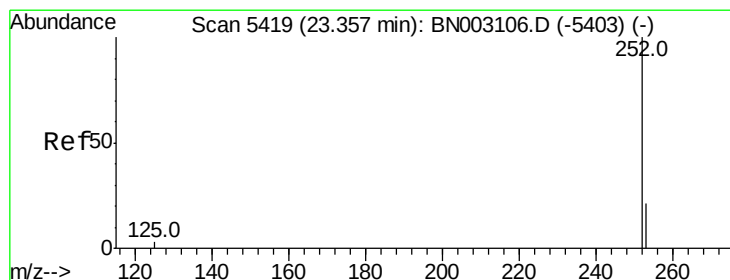
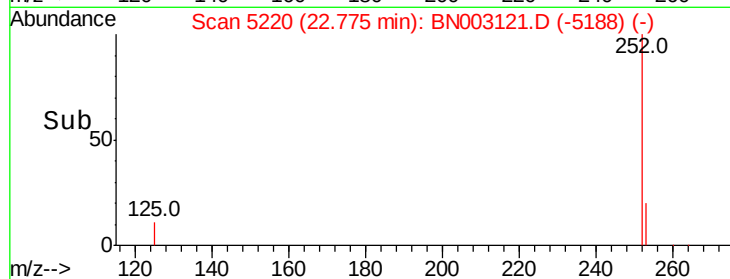
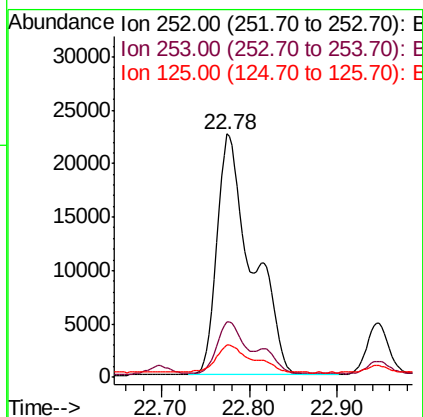
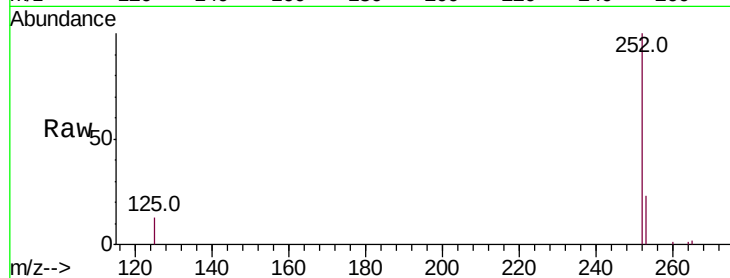




#22
Benzo(k)fluoranthene
Concen: 2.905 ng/ul
RT: 22.78 min Scan# 5220
Delta R.T. -0.06 min
Lab File: BN003121.D
Acq: 12 Oct 2018 01:53

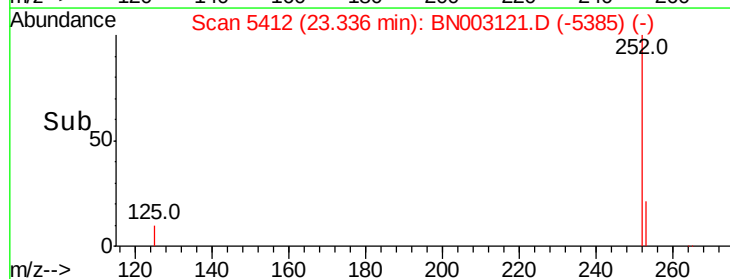
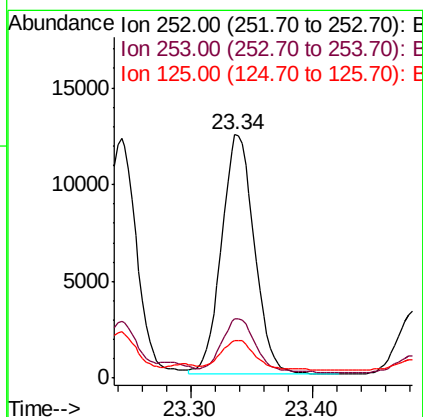
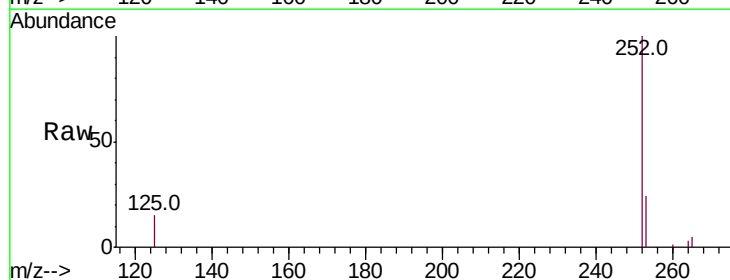
Instrument :
BNA_N
ClientSampleId :

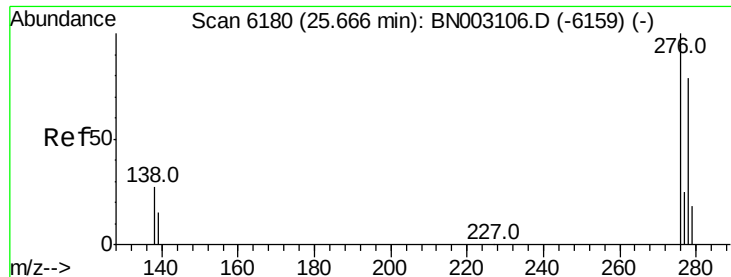
Tot Ion:252 Resp: 61496
Ion Ratio Lower Upper
252 100
253 22.6 21.3 31.9
125 13.3 14.1 21.1#



#23
Benzo(a)pyrene
Concen: 1.264 ng/ul
RT: 23.34 min Scan# 5412
Delta R.T. -0.02 min
Lab File: BN003121.D
Acq: 12 Oct 2018 01:53

Tgt Ion:252 Resp: 23138
Ion Ratio Lower Upper
252 100
253 24.4 23.1 34.7
125 15.4 16.9 25.3#



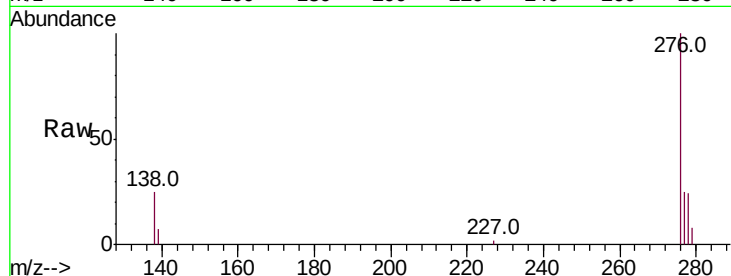


#24

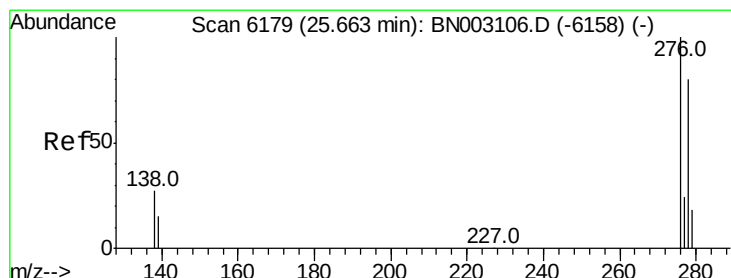
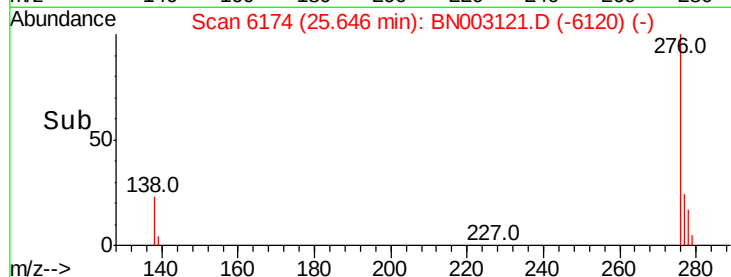
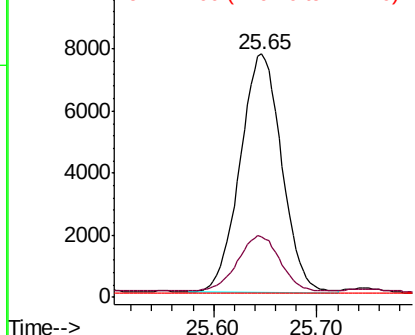
Indeno(1,2,3-cd)pyrene
Concen: 1.021 ng/ul
RT: 25.65 min Scan# 6174
Delta R.T. -0.02 min
Lab File: BN003121.D
Acq: 12 Oct 2018 01:53

Instrument :
BNA_N
ClientSampled :

Tot Ion:276 Resp: 21474
Ion Ratio Lower Upper
276 100
138 23.6 21.5 32.3
227 0.1 0.3 0.5#



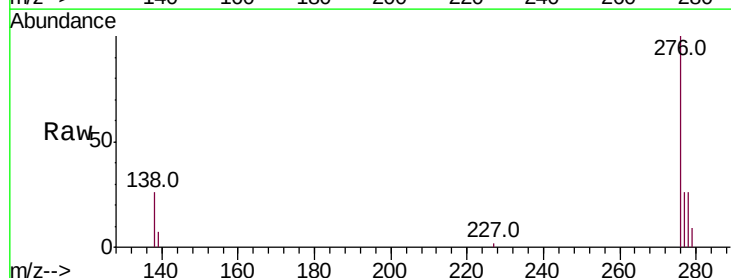
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



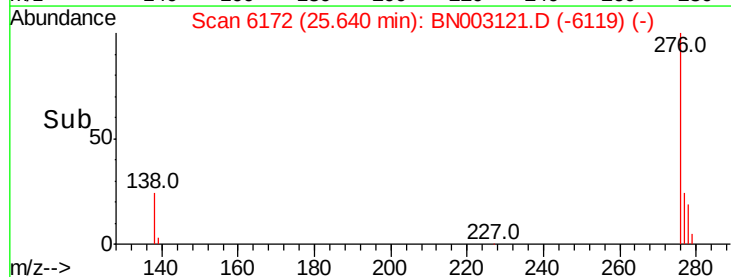
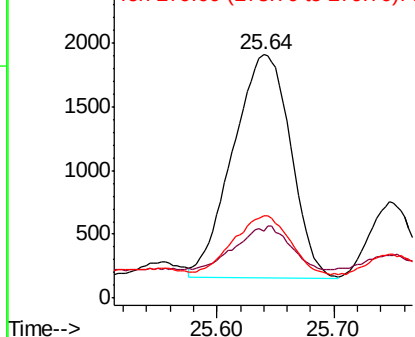
#25

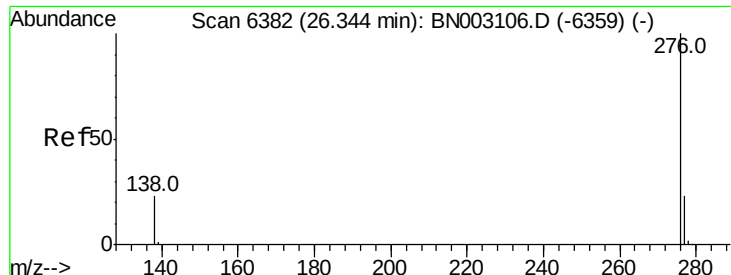
Dibenzo(a,h)anthracene
Concen: 0.357 ng/ul
RT: 25.64 min Scan# 6172
Delta R.T. -0.02 min
Lab File: BN003121.D
Acq: 12 Oct 2018 01:53

Tgt Ion:278 Resp: 6007
Ion Ratio Lower Upper
278 100
139 27.8 20.2 30.4
279 33.9 23.8 35.8



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(a,h,i)perylene

Concen: 1.047 ng/ul

RT: 26.32 min Scan# 6376

Delta R.T. -0.02 min

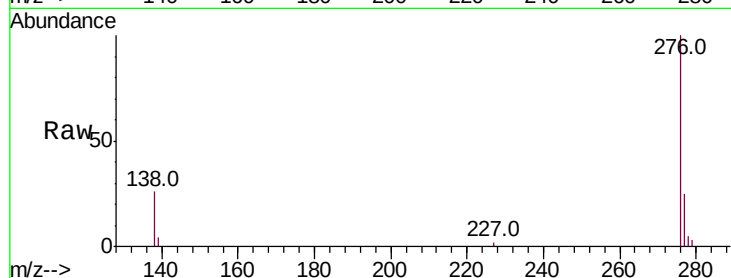
Lab File: BN003121.D

Acq: 12 Oct 2018 01:53

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 18572

Ion Ratio Lower Upper

276 100

138 26.0 23.0 34.4

277 25.3 22.0 33.0

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

