

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101218\
 Data File : BN003110.D
 Acq On : 11 Oct 2018 19:26
 Operator : MJ/SJ
 Sample : J5368-08MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 12 05:37:28 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

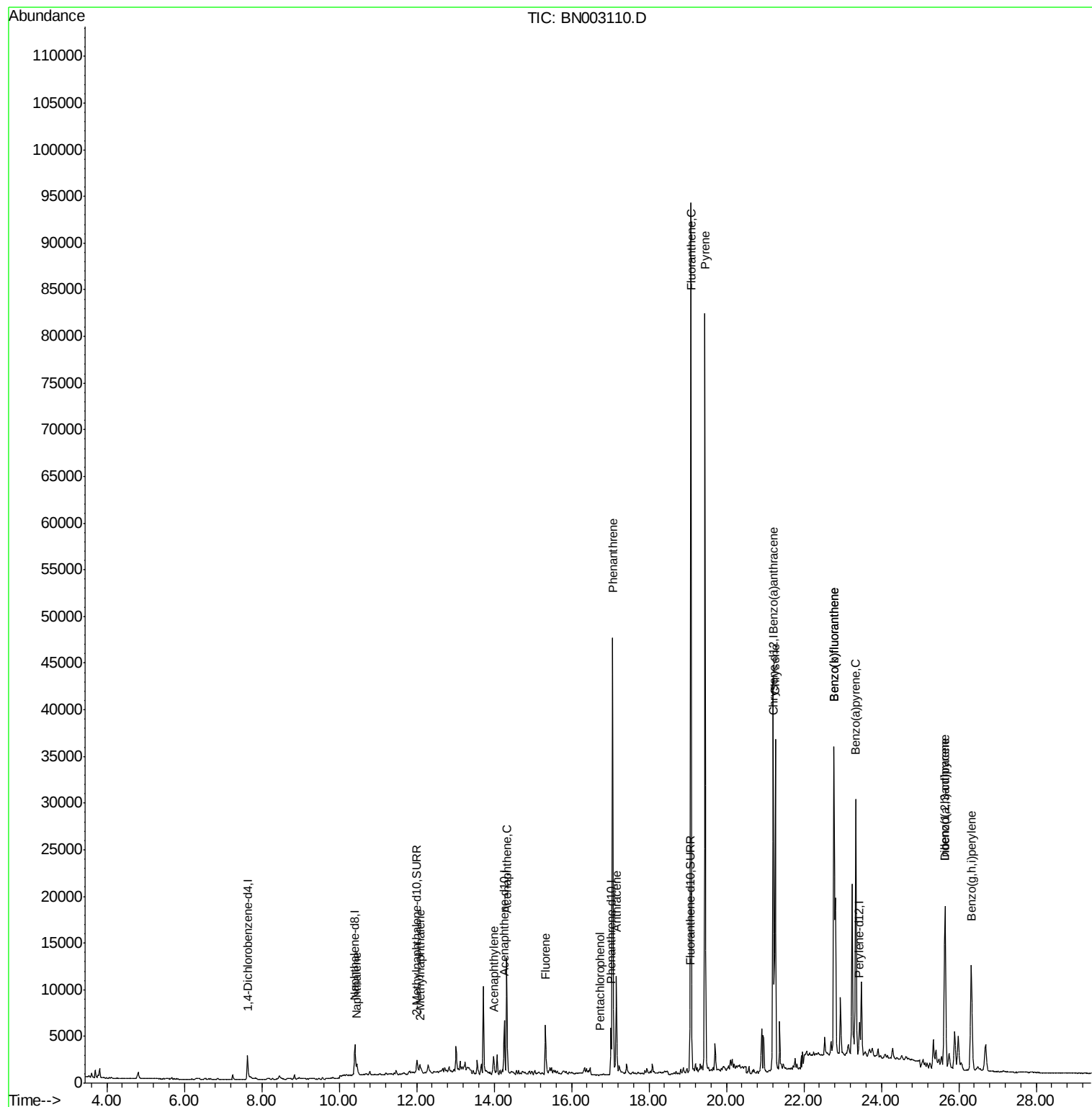
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1594	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.41	136	6446	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3324	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	6265	0.40	ng/ul	-0.01
16) Chrysene-d12	21.22	240	4248	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4544	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2945	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	4625	0.26	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.46	128	1972	0.119	ng/ul#	91
5) 2-Methylnaphthalene	12.08	142	941	0.083	ng/ul	98
7) Acenaphthylene	13.99	152	1341	0.088	ng/ul#	8
8) Acenaphthene	14.32	153	7663	0.664	ng/ul	99
9) Fluorene	15.33	166	3997	0.302	ng/ul	96
11) Pentachlorophenol	16.73	266	15	0.025	ng/ul#	67
12) Phenanthrene	17.06	178	54744	3.135	ng/ul	99
13) Anthracene	17.16	178	11780	0.714	ng/ul	97
15) Fluoranthene	19.09	202	82112	4.008	ng/ul	98
17) Pyrene	19.45	202	71859	4.355	ng/ul	98
18) Benzo(a)anthracene	21.21	228	36061	2.638	ng/ul	98
19) Chrysene	21.26	228	34196	2.464	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	69707	4.260	ng/ul	96
22) Benzo(k)fluoranthene	22.77	252	69707	4.109	ng/ul	96
23) Benzo(a)pyrene	23.34	252	37481	2.556	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.65	276	26295	1.560	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.64	278	7213	0.535	ng/ul#	86
26) Benzo(g,h,i)perylene	26.32	276	23264	1.637	ng/ul	96

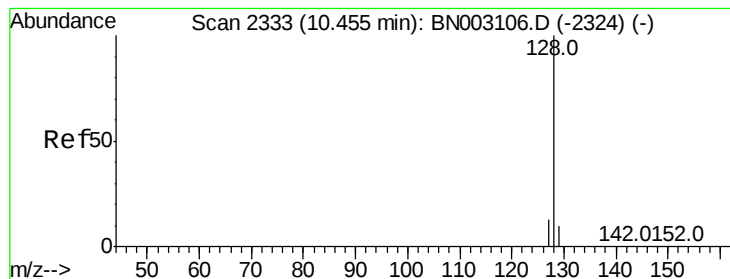
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.119 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

Instrument :

BNA_N

ClientSampled :

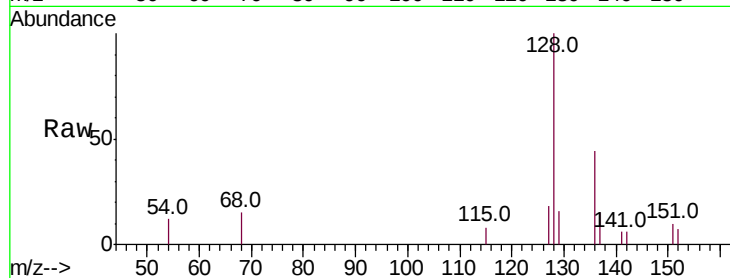
Tot Ion:128 Resp: 1972

Ion Ratio Lower Upper

128 100

129 16.5 10.4 15.6#

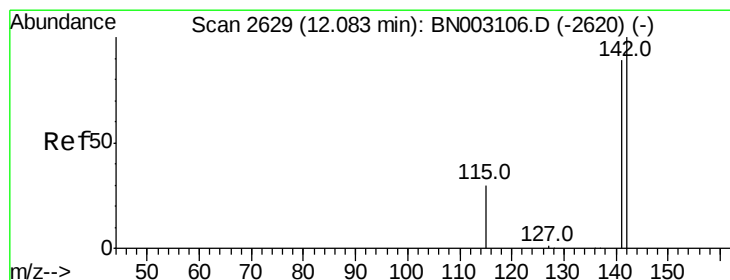
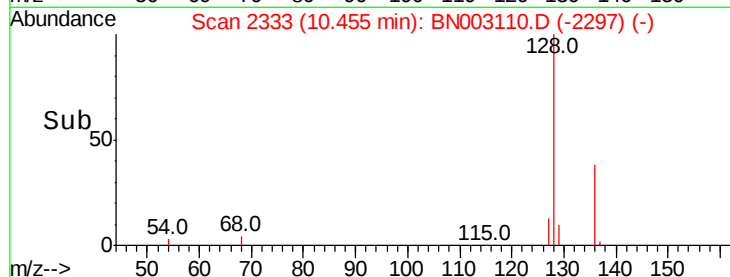
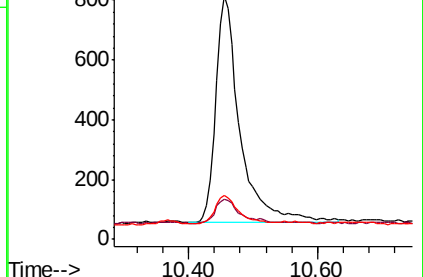
127 18.3 11.7 17.5#



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: 0.083 ng/ul

RT: 12.08 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BN003110.D

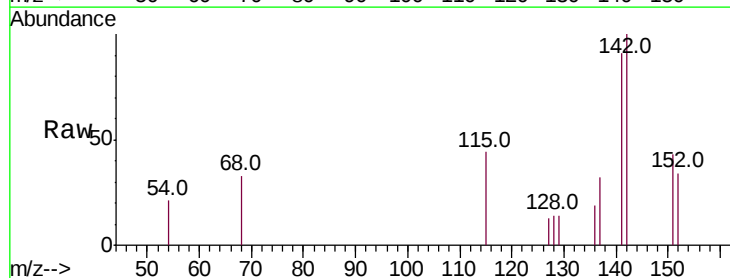
Acq: 11 Oct 2018 19:26

Tgt Ion:142 Resp: 941

Ion Ratio Lower Upper

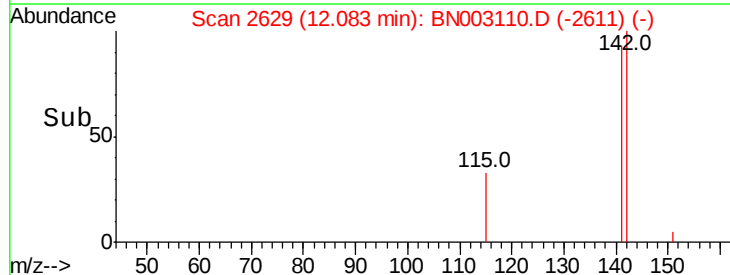
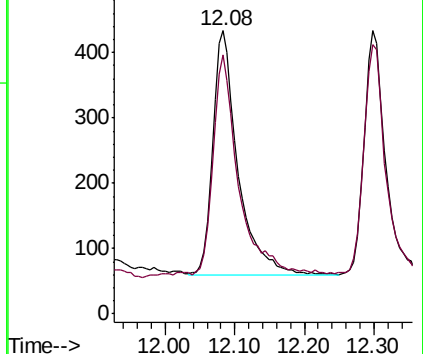
142 100

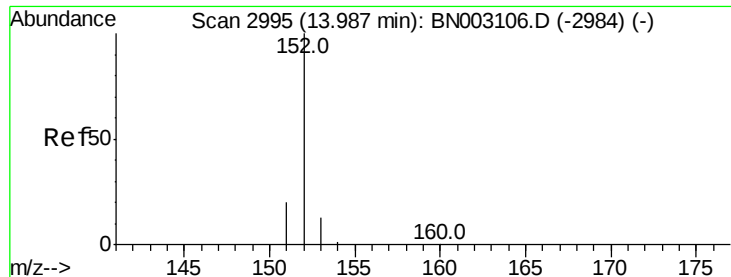
141 90.1 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.088 ng/ul

RT: 13.99 min Scan# 2995

Delta R.T. 0.00 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

Instrument :

BNA_N

ClientSampleId :

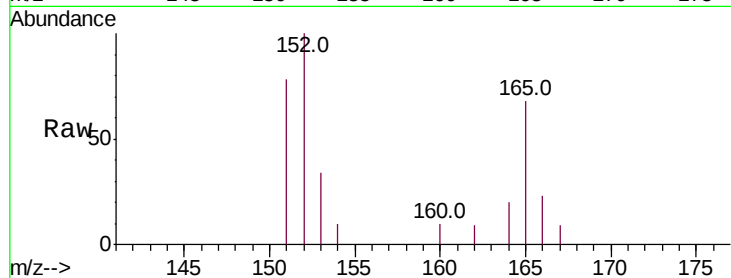
Tot Ion:152 Resp: 1341

Ion Ratio Lower Upper

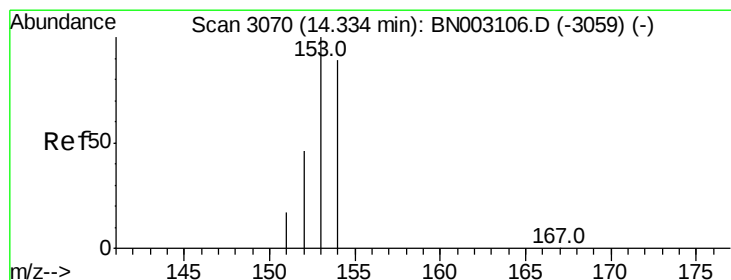
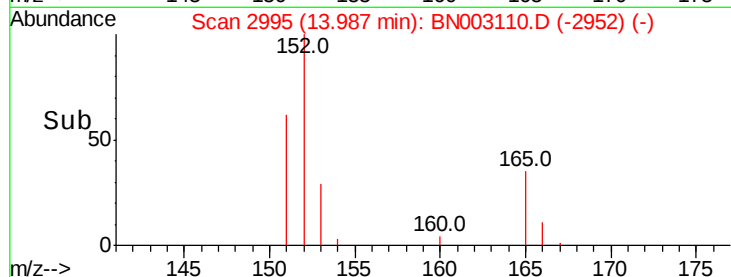
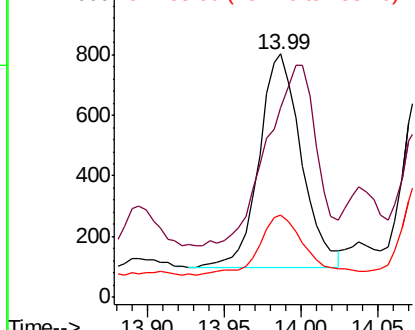
152 100

151 77.9 16.5 24.7#

153 33.7 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: 0.664 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

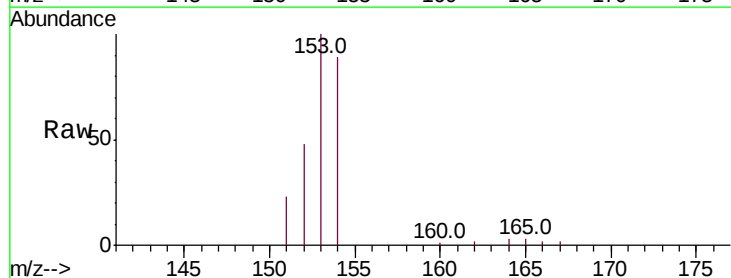
Tgt Ion:153 Resp: 7663

Ion Ratio Lower Upper

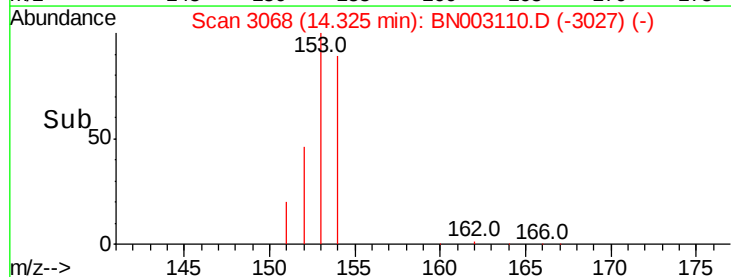
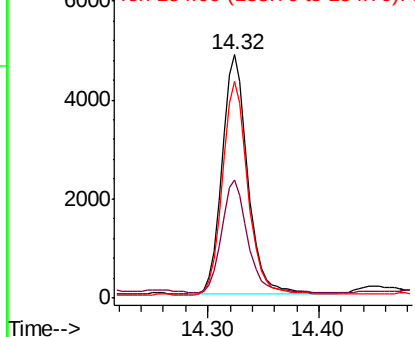
153 100

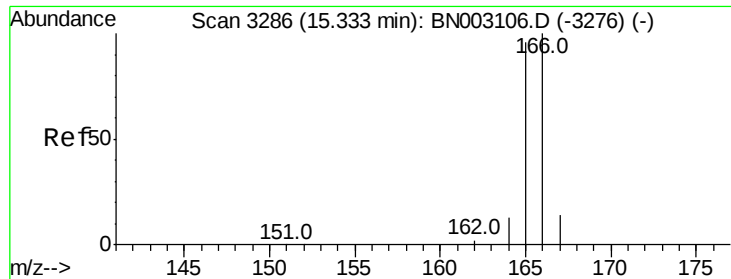
152 48.3 38.2 57.4

154 88.8 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: 0.302 ng/ul

RT: 15.33 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

Instrument :

BNA_N

ClientSampleId :

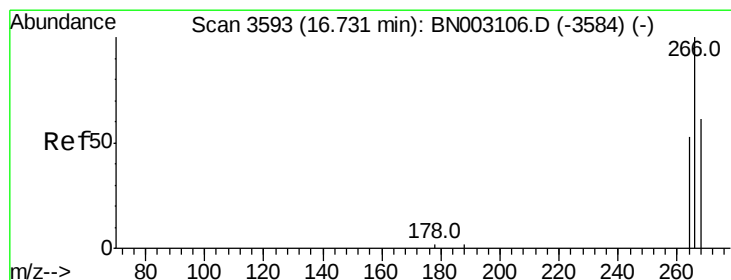
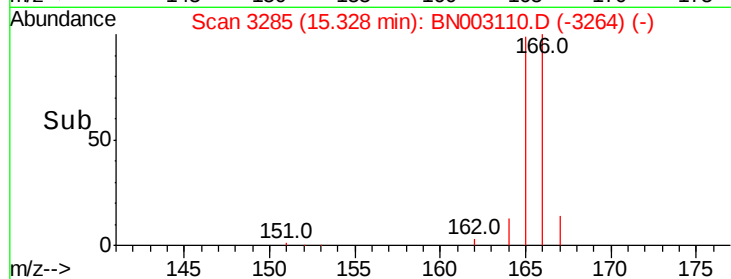
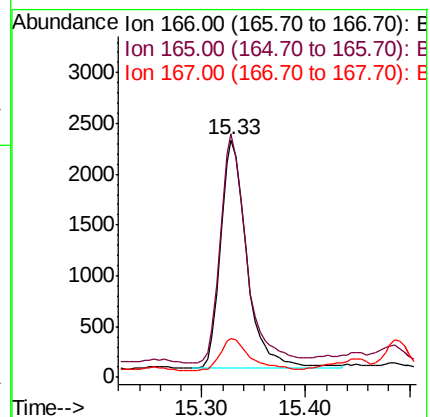
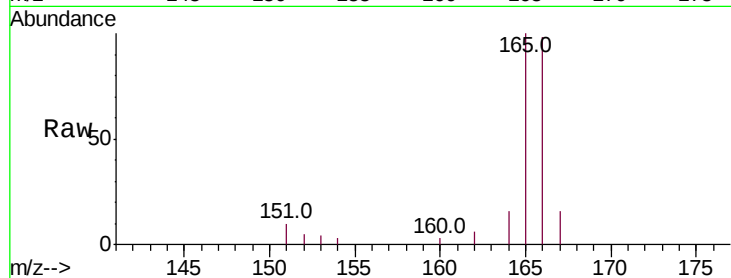
Tot Ion:166 Resp: 3997

Ion Ratio Lower Upper

166 100

165 102.4 78.5 117.7

167 16.4 11.6 17.4



#11

Pentachlorophenol

Concen: 0.025 ng/ul

RT: 16.73 min Scan# 3592

Delta R.T. -0.00 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

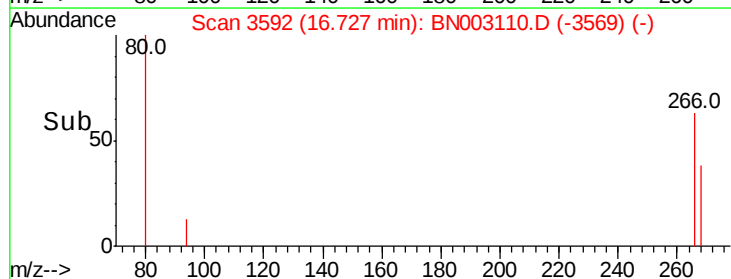
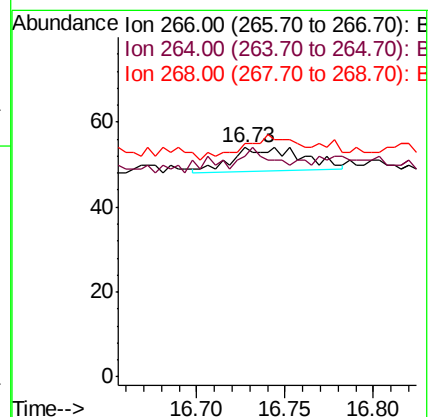
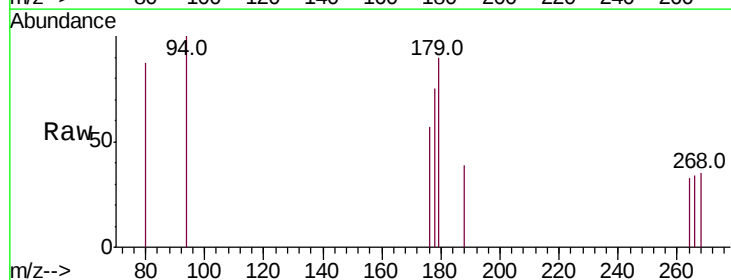
Tgt Ion:266 Resp: 15

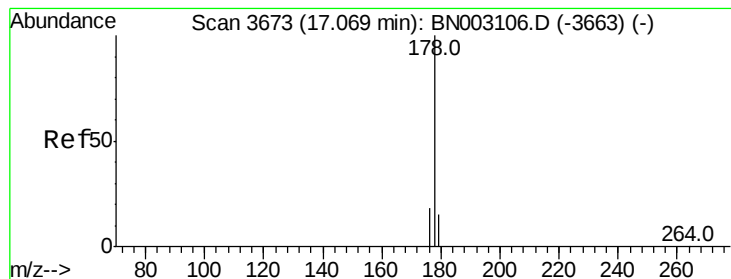
Ion Ratio Lower Upper

266 100

264 40.0 52.5 78.7#

268 86.7 48.6 72.8#





#12

Phenanthrene

Concen: 3.135 ng/ul

RT: 17.06 min Scan# 3671

Delta R.T. -0.01 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

Instrument :

BNA_N

ClientSampleId :

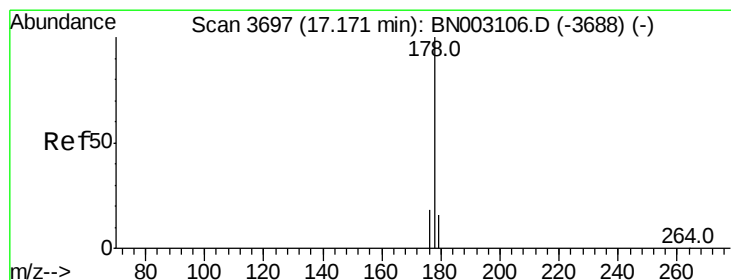
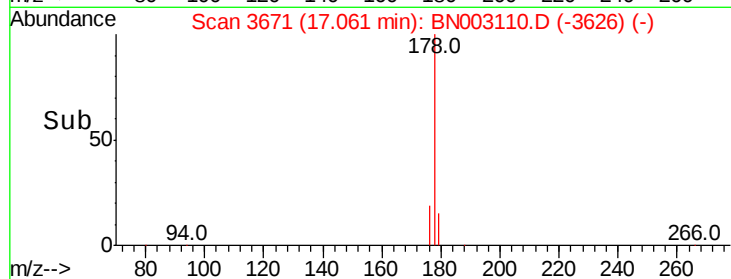
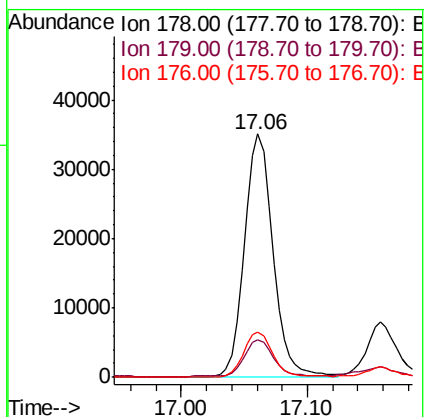
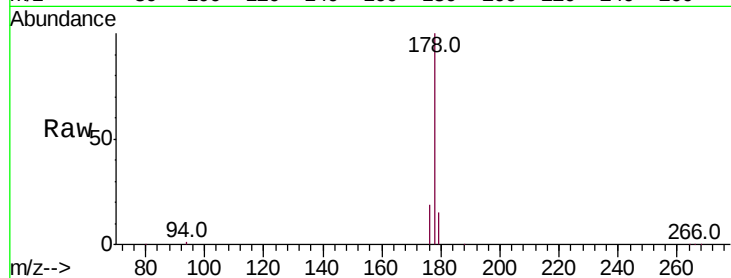
Tot Ion:178 Resp: 54744

Ion Ratio Lower Upper

178 100

179 15.4 12.9 19.3

176 18.8 15.4 23.2



#13

Anthracene

Concen: 0.714 ng/ul

RT: 17.16 min Scan# 3694

Delta R.T. -0.01 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

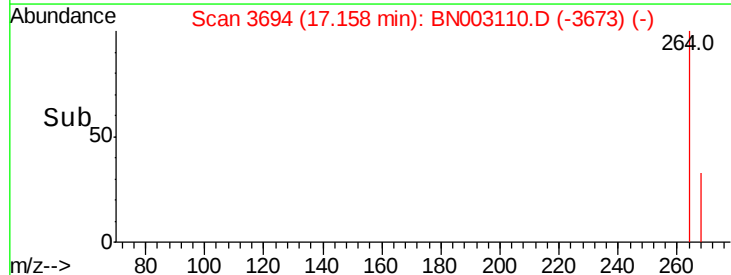
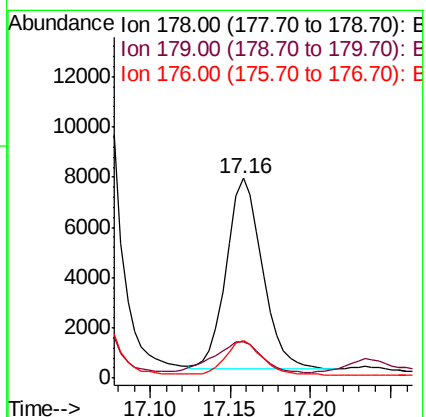
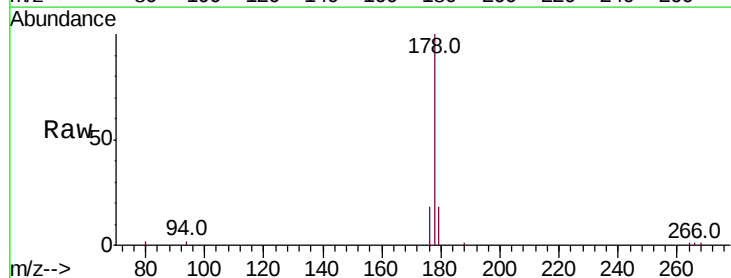
Tgt Ion:178 Resp: 11780

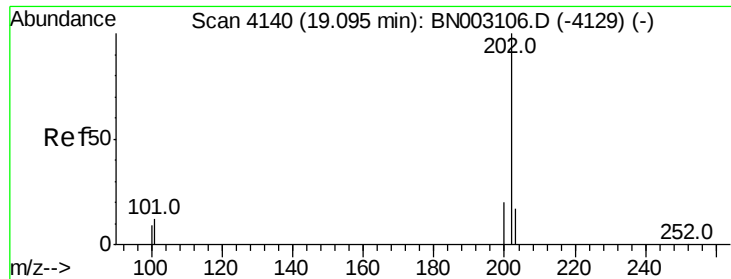
Ion Ratio Lower Upper

178 100

179 18.2 13.0 19.6

176 18.5 15.3 22.9





#15

Fluoranthene

Concen: 4.008 ng/ul

RT: 19.09 min Scan# 4138

Delta R.T. -0.01 min

Lab File: BN003110.D

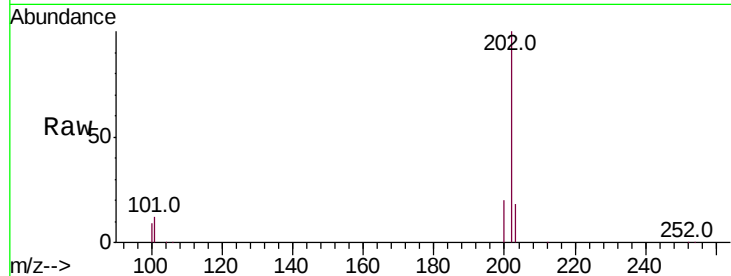
Acq: 11 Oct 2018 19:26

Instrument :

BNA_N

ClientSampleId :

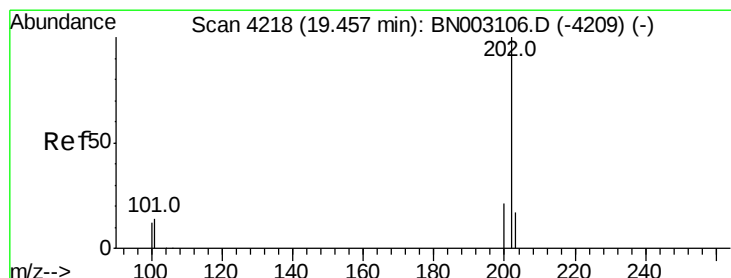
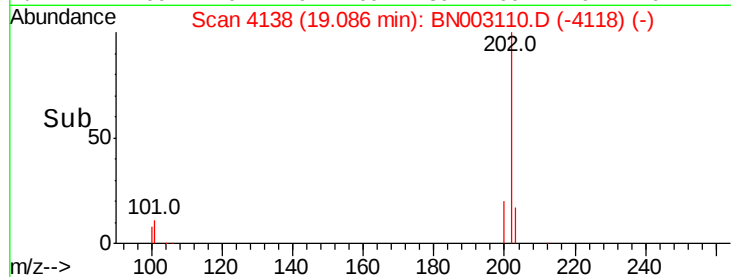
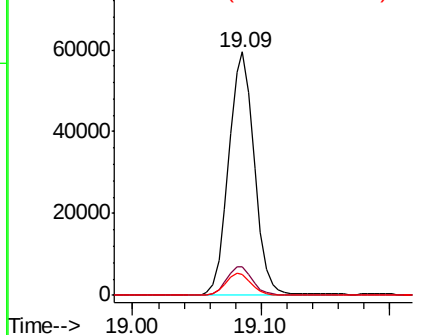
Tot Ion:	202	Resp:	82112
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.3
100	8.6	0.0	29.1



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

Pyrene

Concen: 4.355 ng/ul

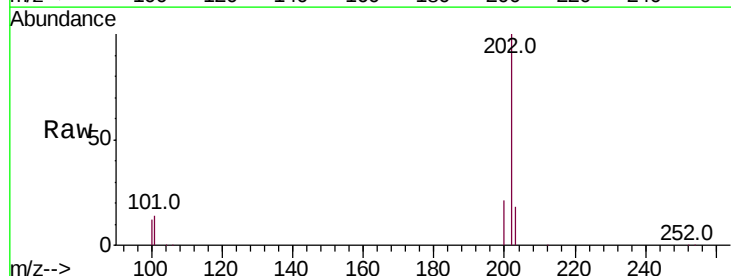
RT: 19.45 min Scan# 4216

Delta R.T. -0.01 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

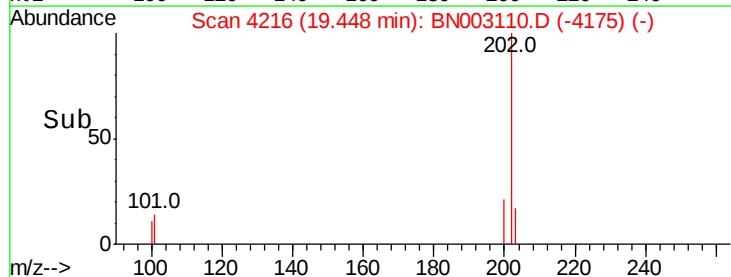
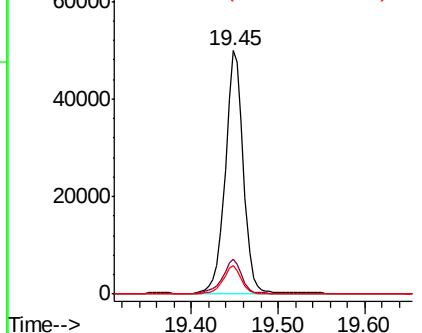
Tgt Ion:	202	Resp:	71859
Ion	Ratio	Lower	Upper
202	100		
101	14.4	11.9	17.9
100	11.5	9.9	14.9

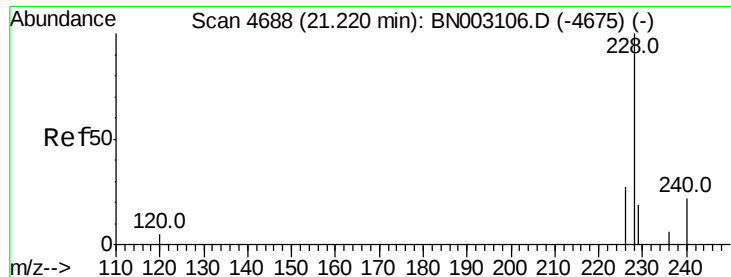


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 2.638 ng/ul

RT: 21.21 min Scan# 4684

Delta R.T. -0.01 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

Instrument :

BNA_N

ClientSampleId :

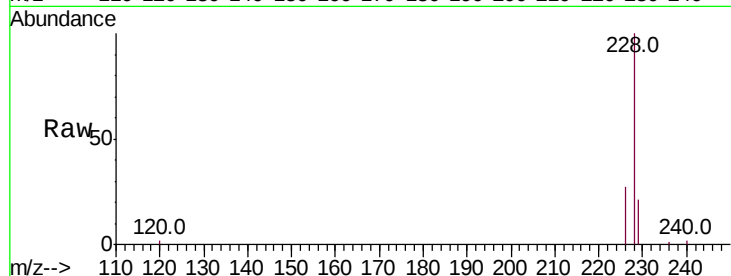
Tot Ion:228 Resp: 36061

Ion Ratio Lower Upper

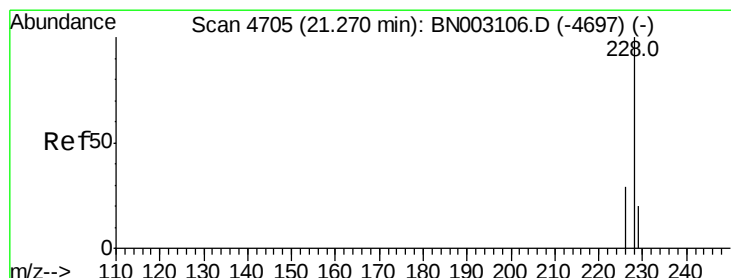
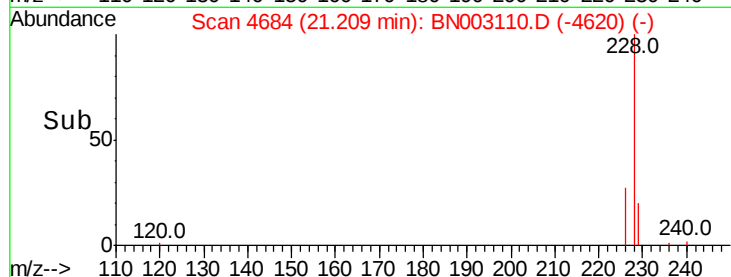
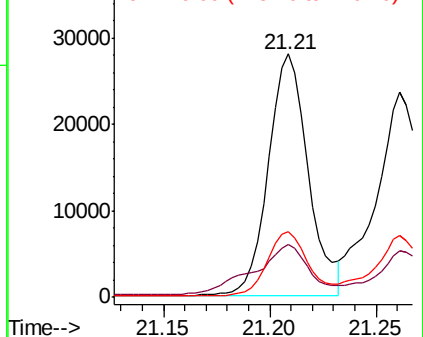
228 100

229 21.5 16.2 24.2

226 27.2 22.3 33.5



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: 2.464 ng/ul

RT: 21.26 min Scan# 4702

Delta R.T. -0.01 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

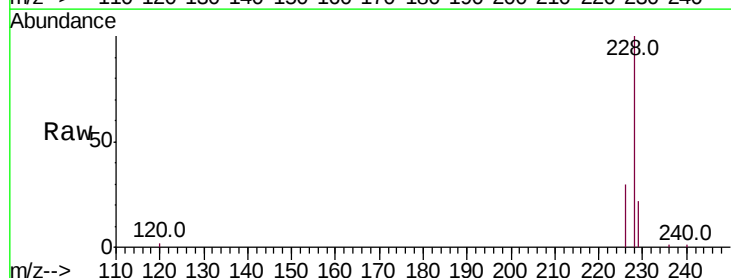
Tgt Ion:228 Resp: 34196

Ion Ratio Lower Upper

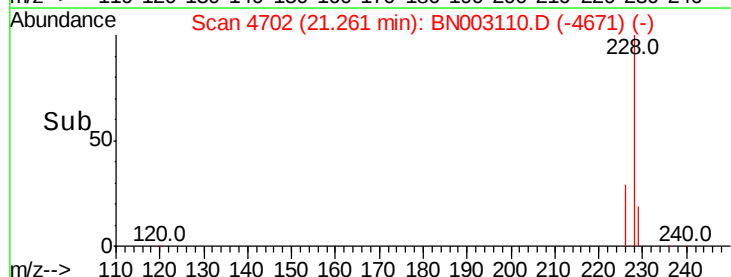
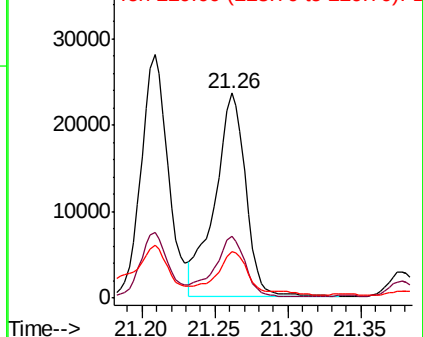
228 100

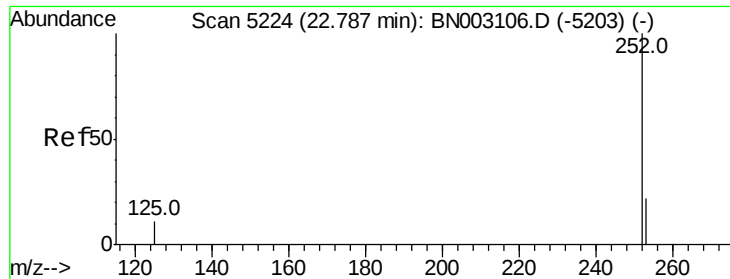
226 30.0 24.2 36.4

229 22.4 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: 4.260 ng/u1

RT: 22.77 min Scan# 5220

Delta R.T. -0.01 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

Instrument :

BNA_N

ClientSampleId :

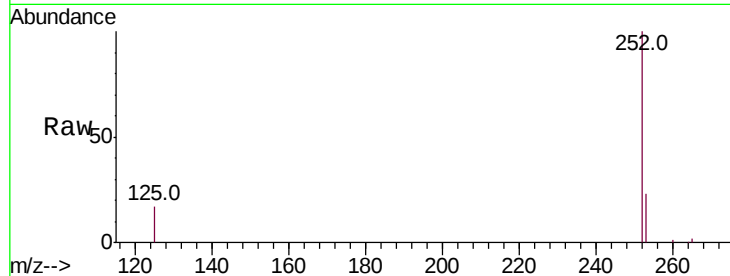
Tot Ion:252 Resp: 69707

Ion Ratio Lower Upper

252 100

253 23.3 0.0 53.2

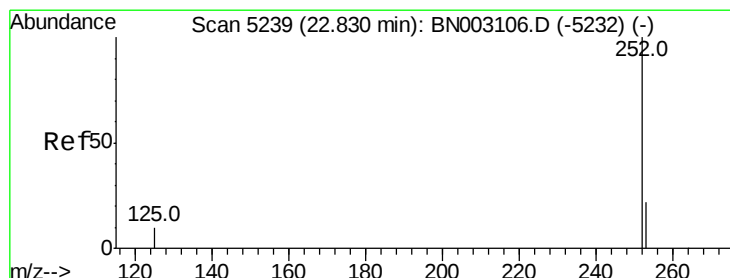
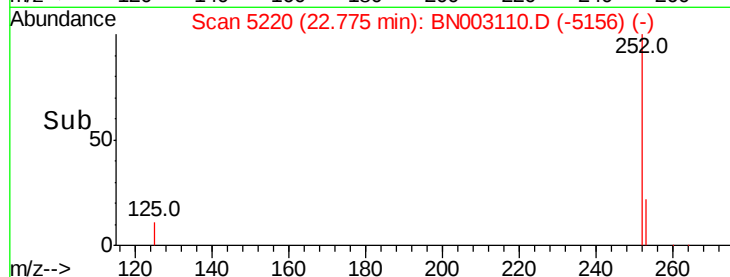
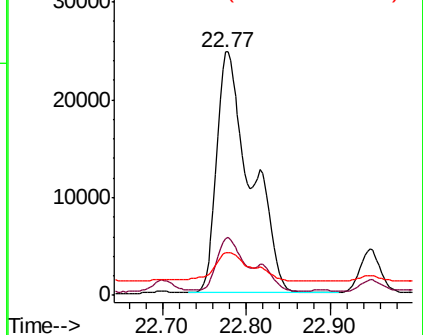
125 17.3 0.0 34.2



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: 4.109 ng/u1

RT: 22.77 min Scan# 5220

Delta R.T. -0.06 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

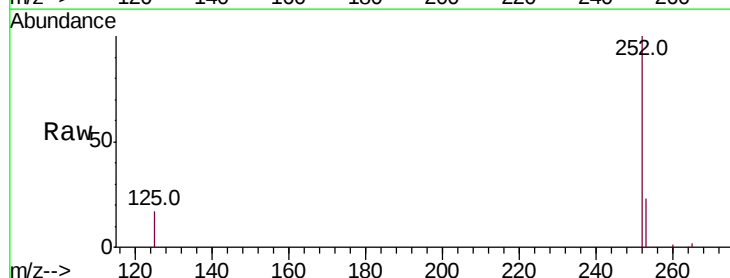
Tgt Ion:252 Resp: 69707

Ion Ratio Lower Upper

252 100

253 23.3 21.3 31.9

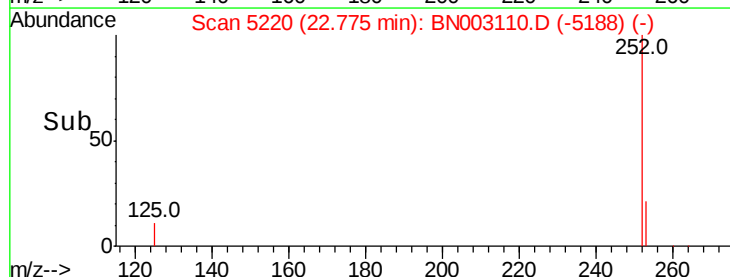
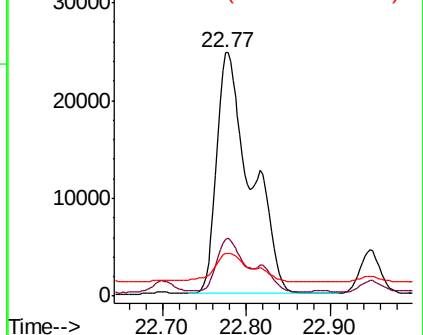
125 17.3 14.1 21.1

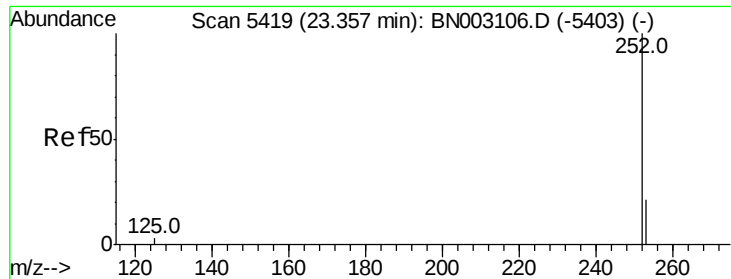


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.556 ng/ul

RT: 23.34 min Scan# 5413

Delta R.T. -0.02 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

Instrument :

BNA_N

ClientSampleId :

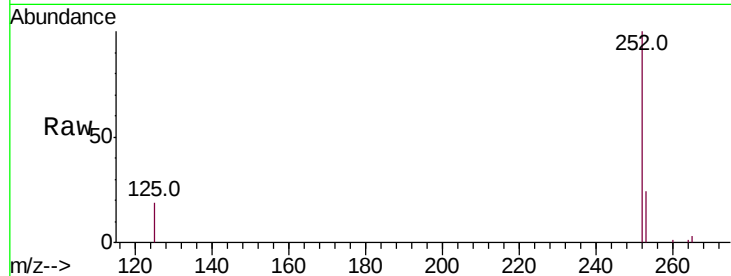
Tot Ion:252 Resp: 37481

Ion Ratio Lower Upper

252 100

253 24.2 23.1 34.7

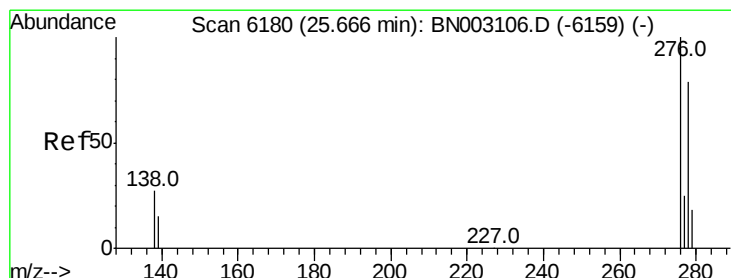
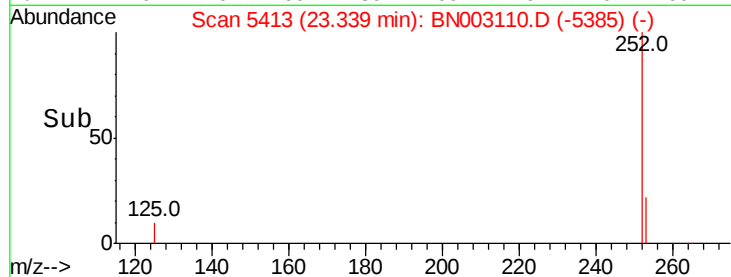
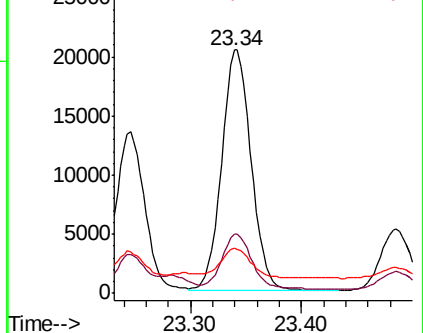
125 18.6 16.9 25.3



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: 1.560 ng/ul

RT: 25.65 min Scan# 6175

Delta R.T. -0.02 min

Lab File: BN003110.D

Acq: 11 Oct 2018 19:26

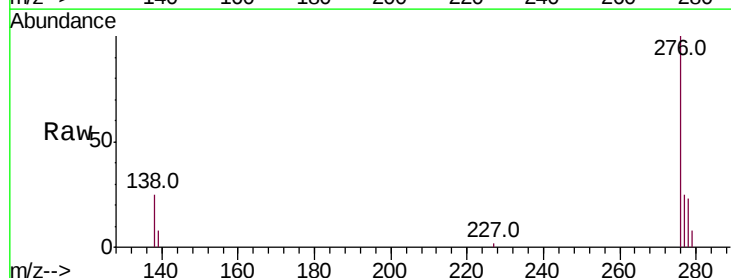
Tgt Ion:276 Resp: 26295

Ion Ratio Lower Upper

276 100

138 23.7 21.5 32.3

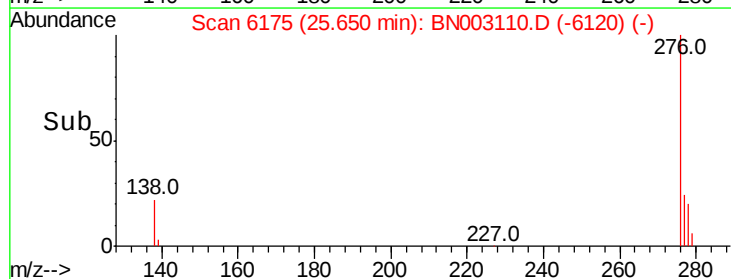
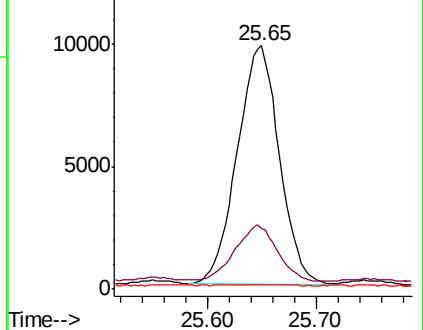
227 0.2 0.3 0.5#

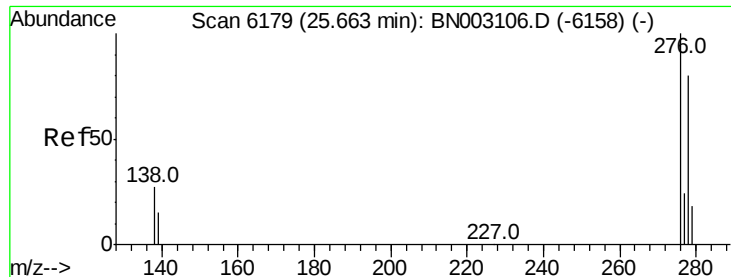


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



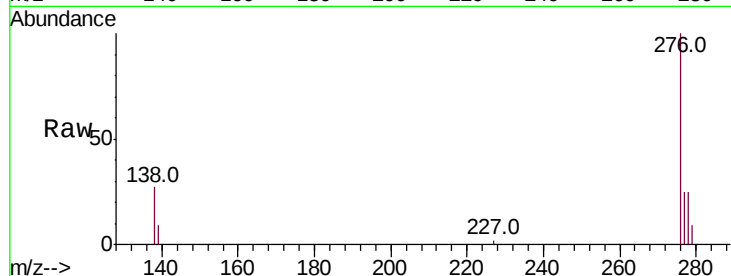


#25

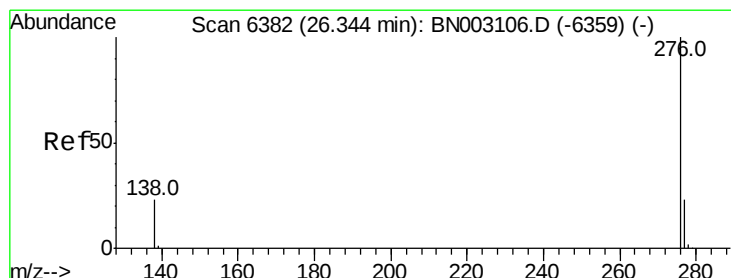
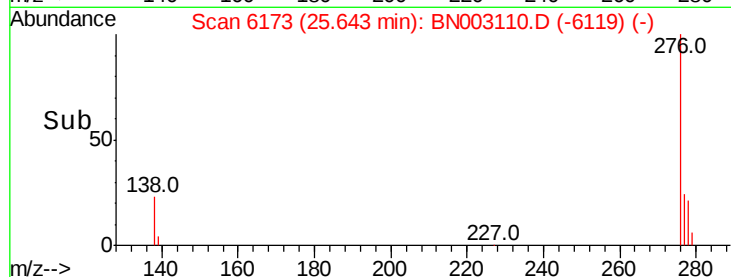
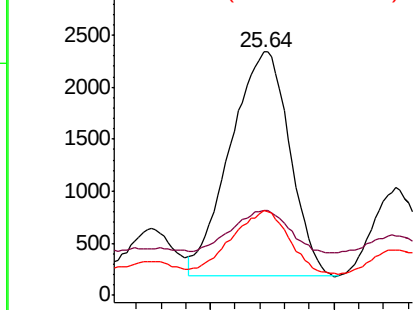
Dibenzo(a,h)anthracene
 Concen: 0.535 ng/ul
 RT: 25.64 min Scan# 6173
 Delta R.T. -0.02 min
 Lab File: BN003110.D
 Acq: 11 Oct 2018 19:26

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:278 Resp: 7213
 Ion Ratio Lower Upper
 278 100
 139 35.1 20.2 30.4#
 279 34.7 23.8 35.8



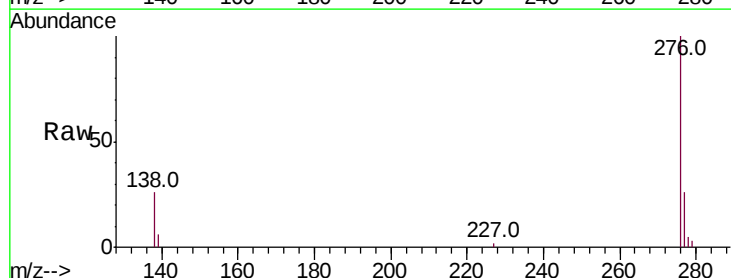
Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene
 Concen: 1.637 ng/ul
 RT: 26.32 min Scan# 6376
 Delta R.T. -0.02 min
 Lab File: BN003110.D
 Acq: 11 Oct 2018 19:26

Tgt Ion:276 Resp: 23264
 Ion Ratio Lower Upper
 276 100
 138 26.5 23.0 34.4
 277 25.7 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

