

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
 Data File : BN000427.D
 Acq On : 15 Mar 2018 21:47
 Operator : JU/SJ
 Sample : J1865-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 06:50:22 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 06:47:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	194124	20.00	ng/ul	0.00
2) Naphthalene-d8	11.30	136	919150	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.07	164	526398	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1187241	20.00	ng/ul	0.00
17) Chrysene-d12	21.91	240	1050986	20.00	ng/ul	0.00
22) Perylene-d12	24.41	264	976829	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.77	160	1578547	30.21	ng/ul	0.00
10) Fluorene-d10	16.05	176	1034877	29.25	ng/ul	0.00
14) Anthracene-d10	17.89	188	1646850	29.69	ng/ul	0.00
18) Pyrene-d10	20.14	212	1739487	33.83	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.25	264	1326769	29.74	ng/ul	0.00

Target Compounds

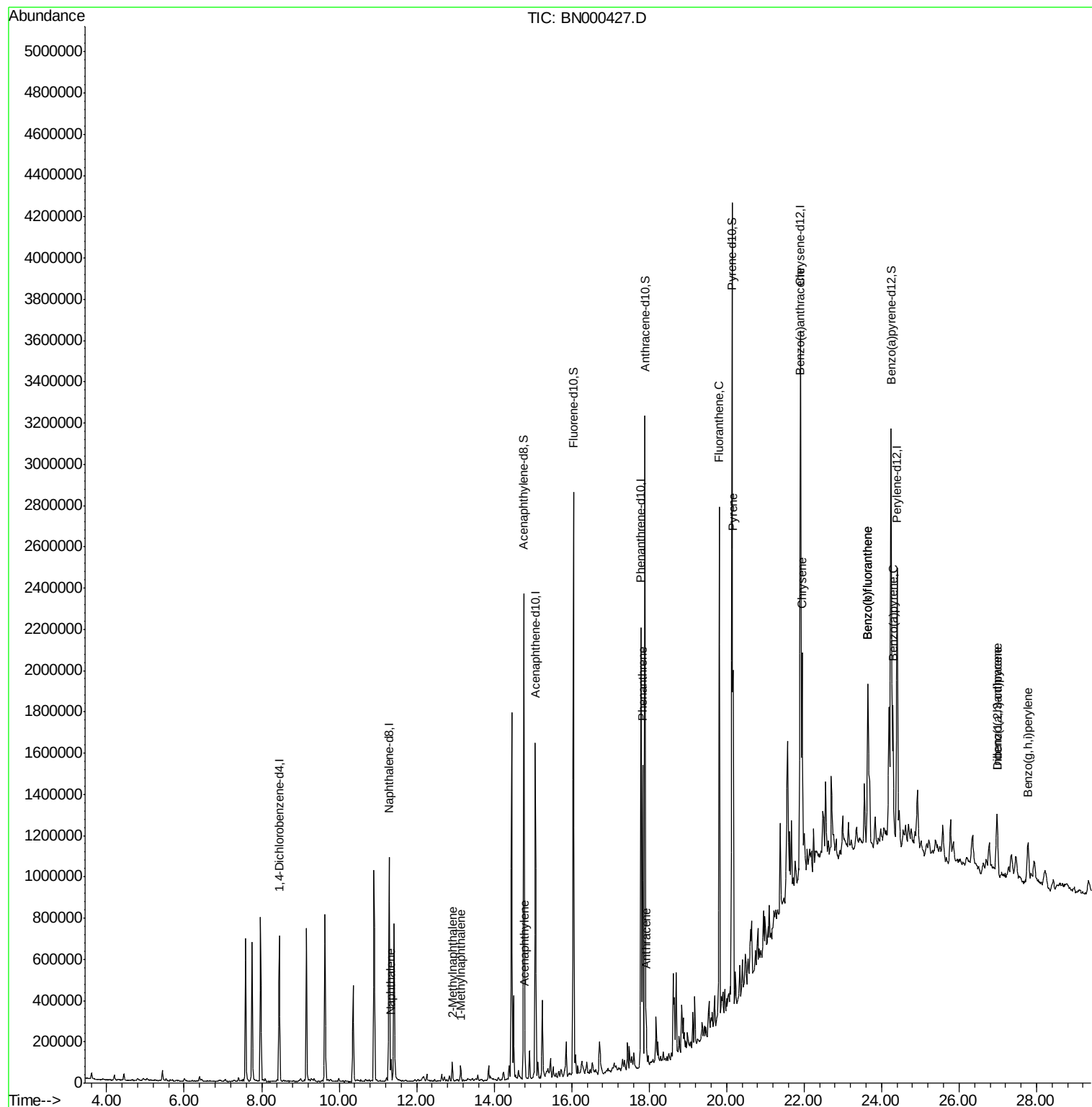
					Ovalue	
3) Naphthalene	11.34	128	83033	1.712	ng/ul	99
4) 2-Methylnaphthalene	12.92	142	43156	1.264	ng/ul	96
5) 1-Methylnaphthalene	13.14	142	34377	1.003	ng/ul#	96
8) Acenaphthylene	14.80	152	60695	1.156	ng/ul	99
13) Phenanthrene	17.83	178	832150	12.222	ng/ul	100
15) Anthracene	17.92	178	141739	2.052	ng/ul	100
16) Fluoranthene	19.81	202	1382155	18.788	ng/ul#	93
19) Pyrene	20.17	202	1119495	16.871	ng/ul#	89
20) Benzo(a)anthracene	21.90	228	462728	7.082	ng/ul	97
21) Chrysene	21.95	228	531290	8.569	ng/ul	96
23) Benzo(b)fluoranthene	23.64	252	697752	11.979	ng/ul#	94
24) Benzo(k)fluoranthene	23.64	252	697752	12.797	ng/ul#	94
26) Benzo(a)pyrene	24.29	252	395387	7.132	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.98	276	270817	4.531	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.98	278	74281	1.516	ng/ul#	70
29) Benzo(a,h,i)perylene	27.78	276	242170	4.852	ng/ul#	87

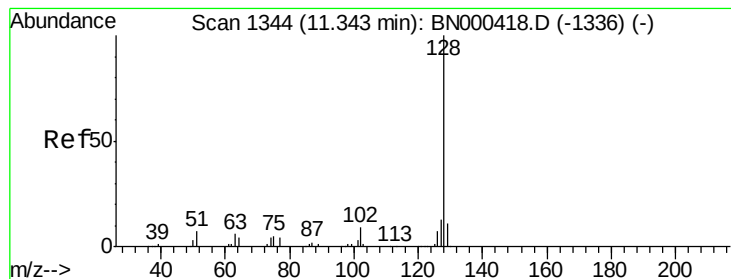
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#3

Naphthalene

Concen: 1.712 ng/ul

RT: 11.34 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

Instrument :

BNA_N

ClientSampleId :

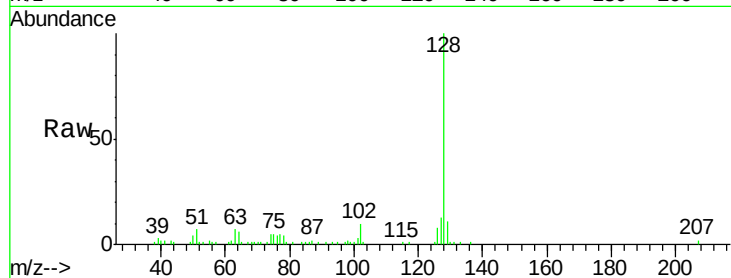
Tot Ion:128 Resp: 83033

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

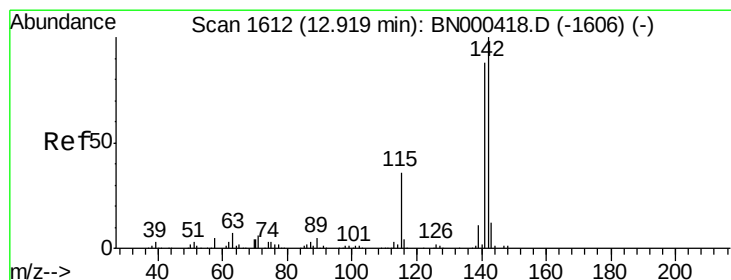
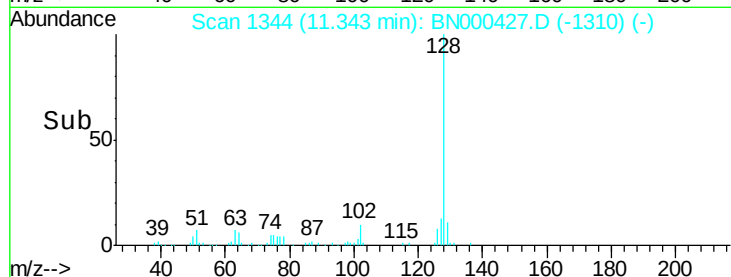
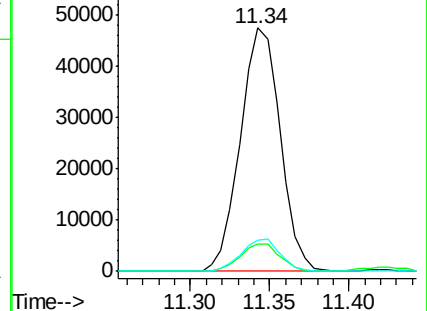
127 12.7 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 1.264 ng/ul

RT: 12.92 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BN000427.D

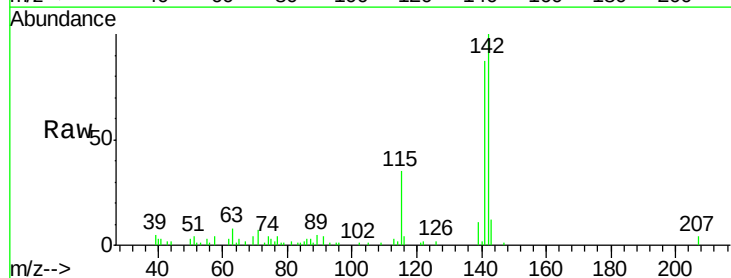
Acq: 15 Mar 2018 21:47

Tgt Ion:142 Resp: 43156

Ion Ratio Lower Upper

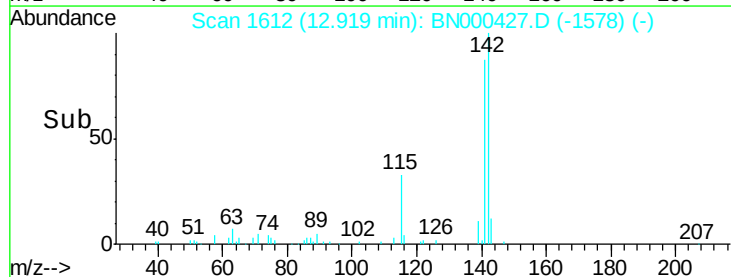
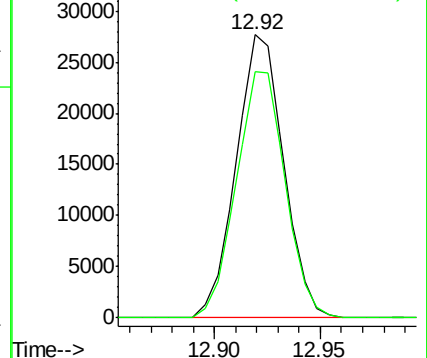
142 100

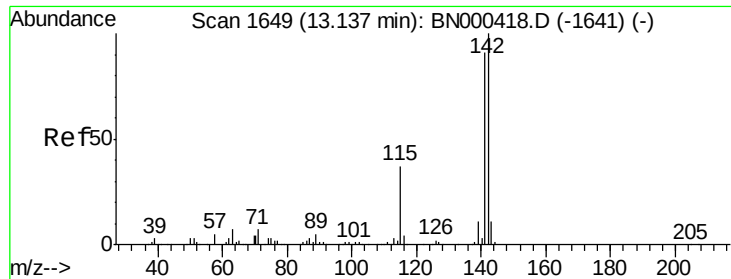
141 86.8 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.003 ng/ul

RT: 13.14 min Scan# 1649

Delta R.T. -0.00 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

Instrument :

BNA_N

ClientSampleId :

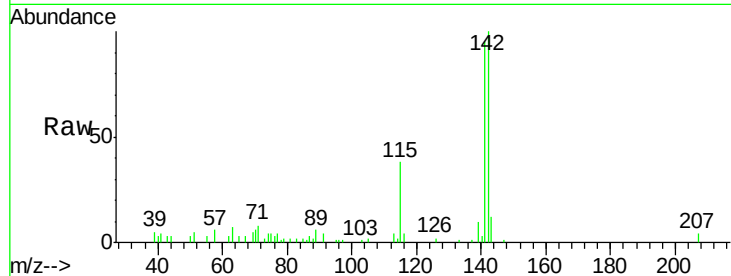
Tot Ion:142 Resp: 34377

Ion Ratio Lower Upper

142 100

141 95.3 79.3 118.9

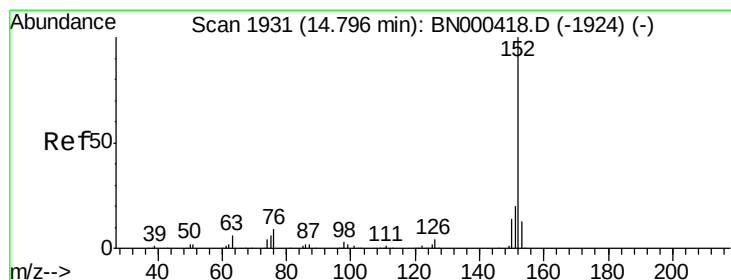
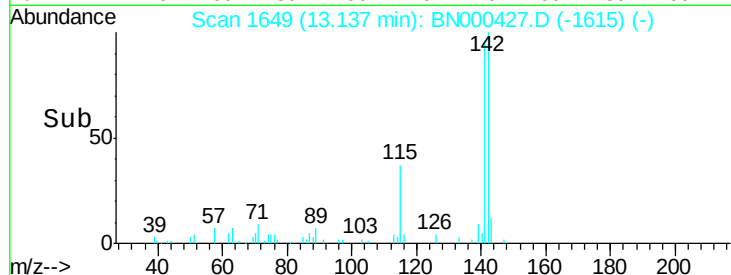
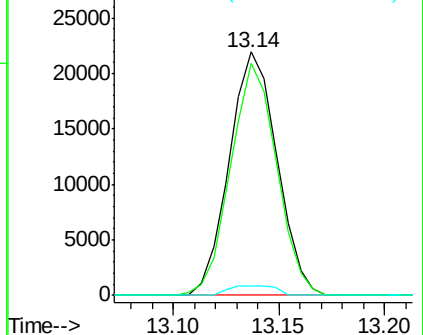
116 4.1 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 1.156 ng/ul

RT: 14.80 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

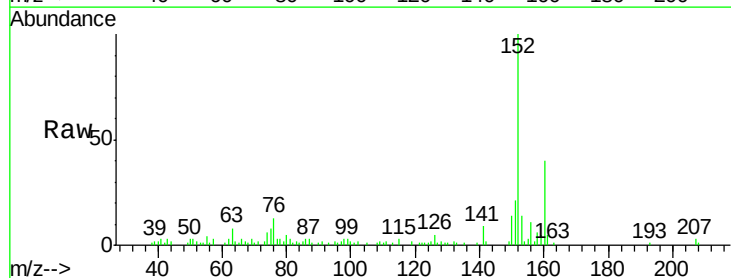
Tgt Ion:152 Resp: 60695

Ion Ratio Lower Upper

152 100

151 21.0 16.7 25.1

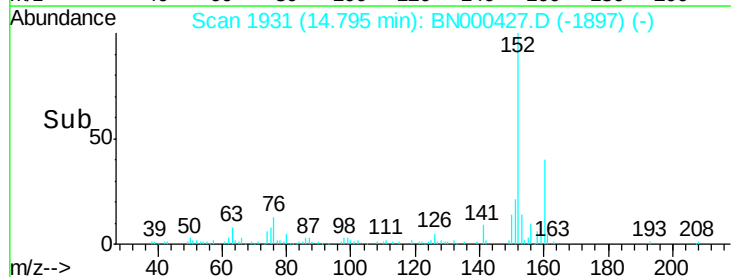
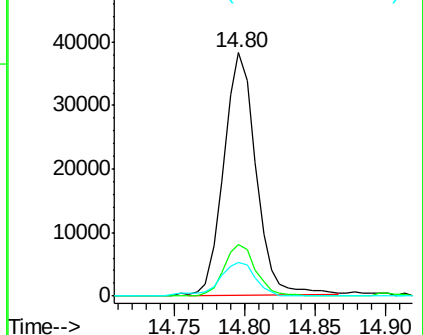
153 14.0 10.2 15.4

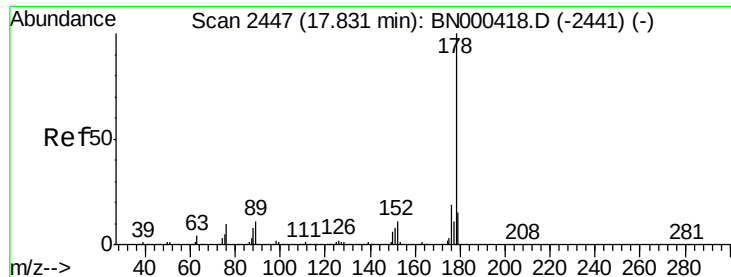


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#13

Phenanthrene

Concen: 12.222 ng/ul

RT: 17.83 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

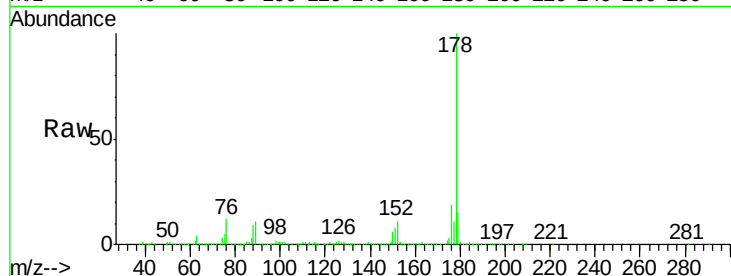
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 832150

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.2	15.1	22.7

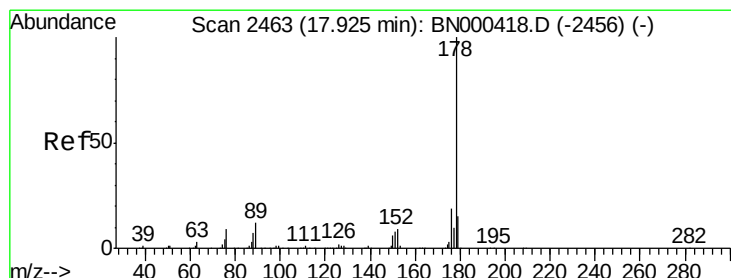
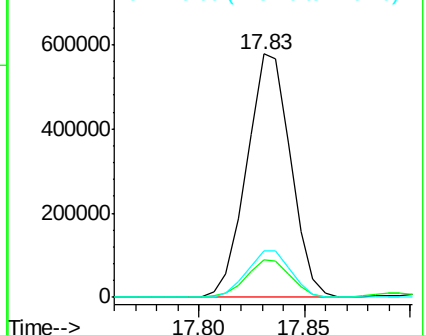
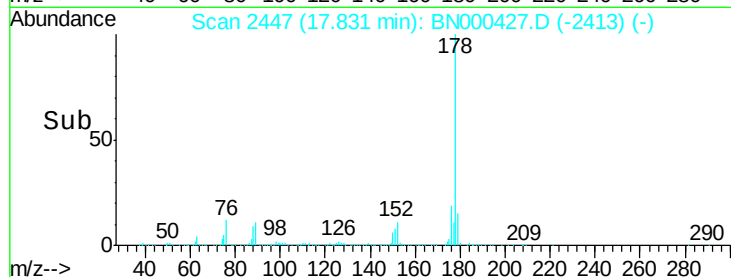


Abundance

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

Anthracene

Concen: 2.052 ng/ul

RT: 17.92 min Scan# 2463

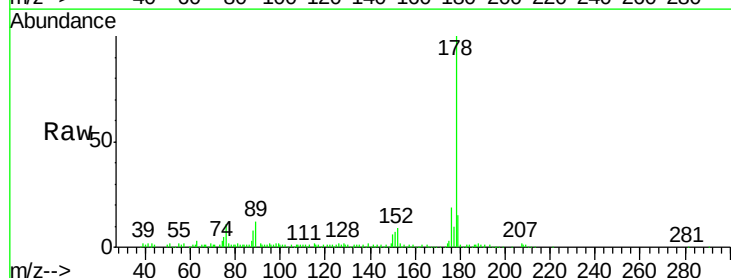
Delta R.T. -0.00 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

Tgt Ion:178 Resp: 141739

Ion	Ratio	Lower	Upper
178	100		
179	14.9	11.8	17.8
176	19.0	15.2	22.8

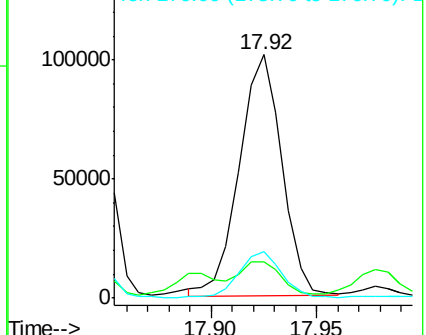
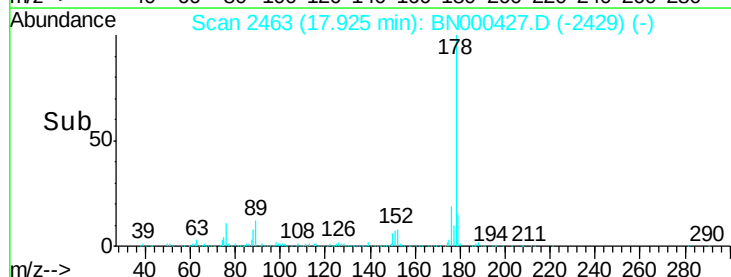


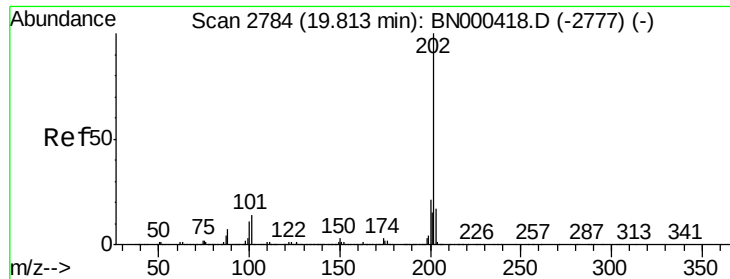
Abundance

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

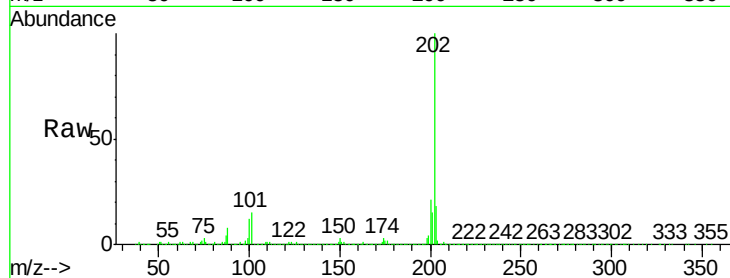




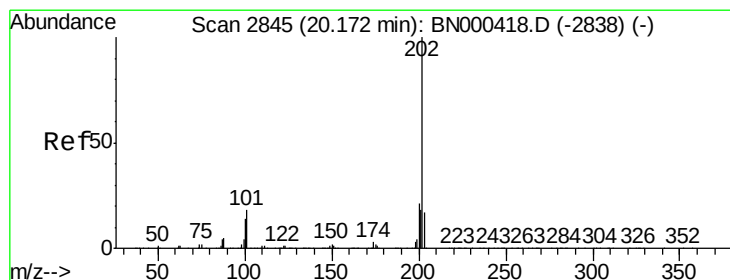
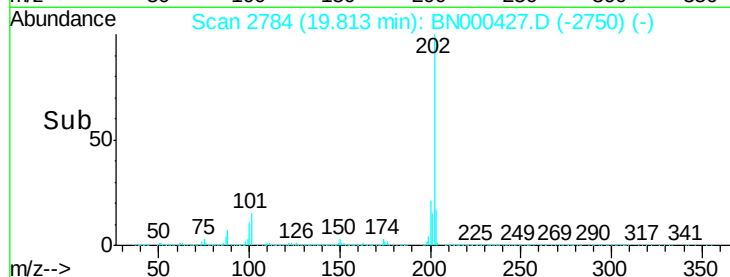
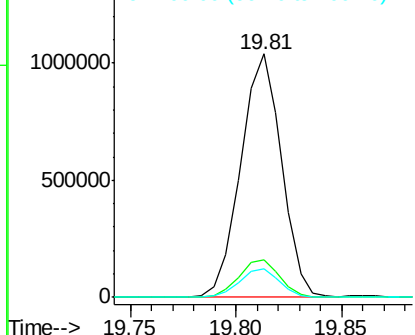
#16
 Fluoranthene
 Concen: 18.788 ng/ul
 RT: 19.81 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: BN000427.D
 Acq: 15 Mar 2018 21:47

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 1382155
 Ion Ratio Lower Upper
 202 100
 101 15.3 9.9 14.9#
 100 11.6 7.4 11.0#

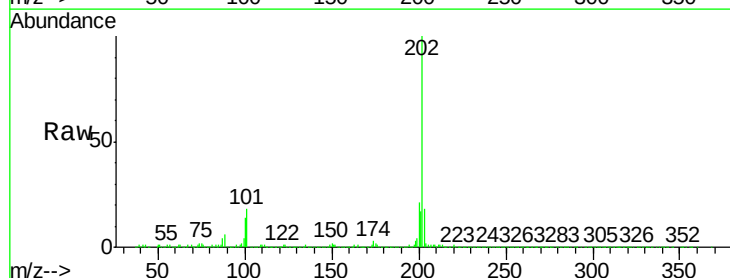


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

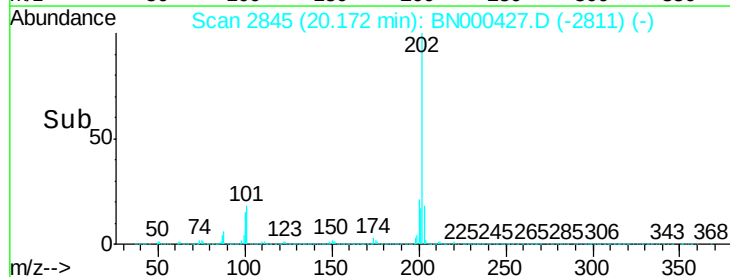
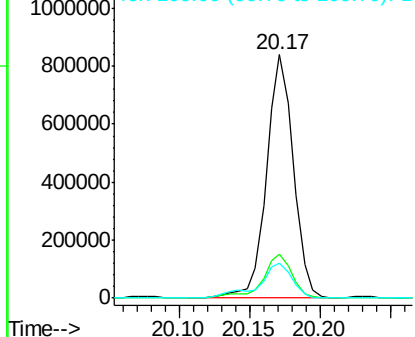


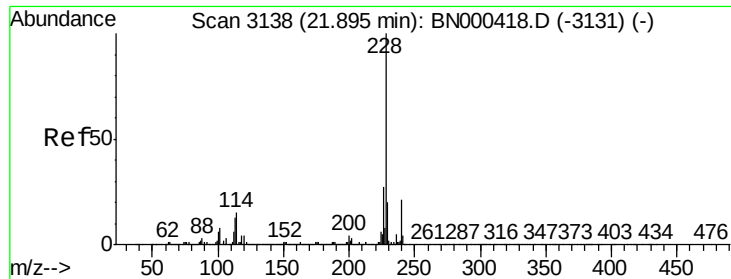
#19
 Pyrene
 Concen: 16.871 ng/ul
 RT: 20.17 min Scan# 2845
 Delta R.T. -0.00 min
 Lab File: BN000427.D
 Acq: 15 Mar 2018 21:47

Tgt Ion:202 Resp: 1119495
 Ion Ratio Lower Upper
 202 100
 101 18.1 11.0 16.4#
 100 14.5 8.1 12.1#



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

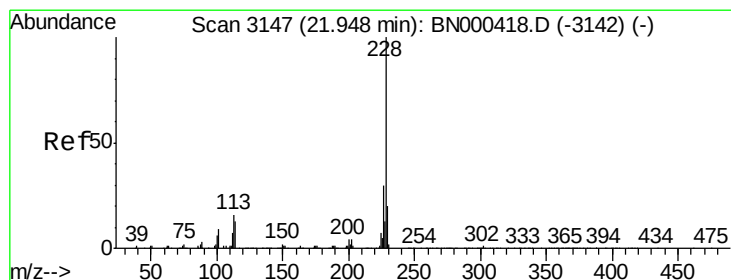
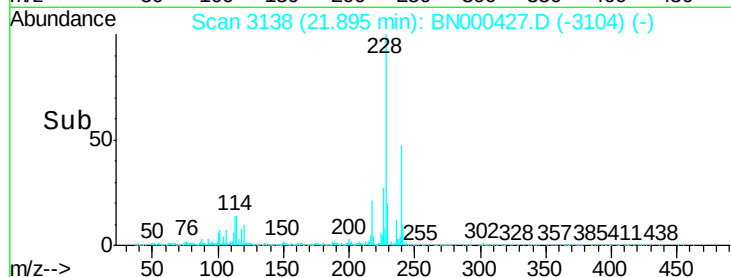
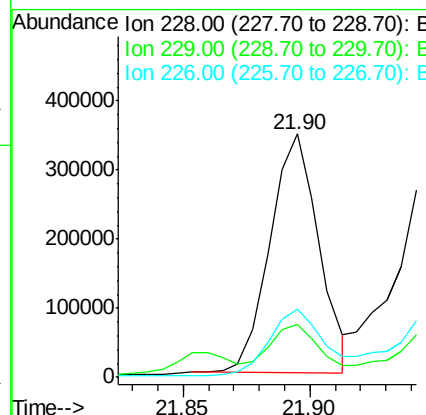
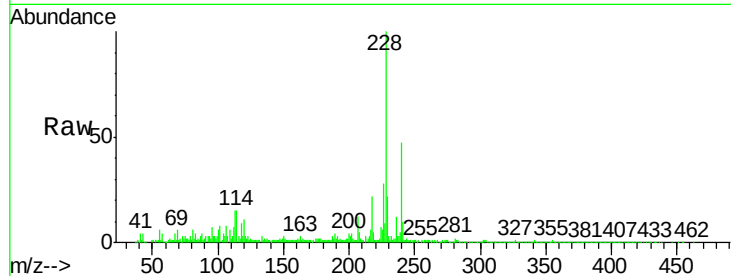




#20
Benzo(a)anthracene
Concen: 7.082 ng/ul
RT: 21.90 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BN000427.D
Acq: 15 Mar 2018 21:47

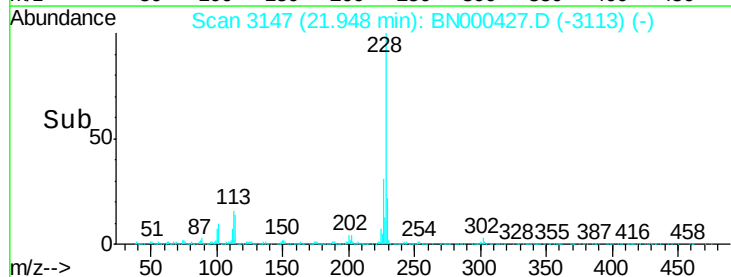
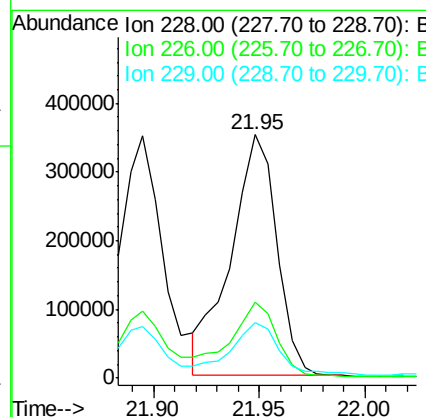
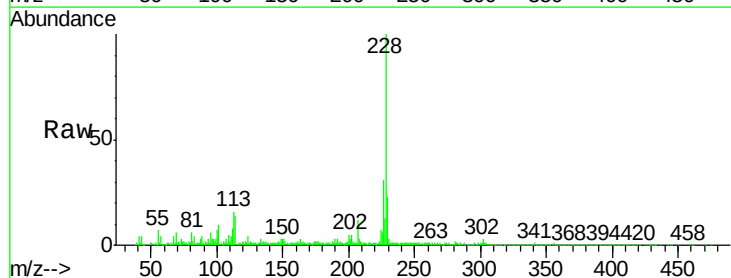
Instrument :
BNA_N
ClientSampleId :

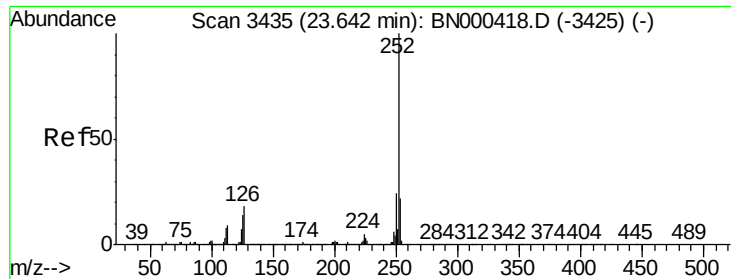
Tot Ion:228 Resp: 462728
Ion Ratio Lower Upper
228 100
229 21.6 15.7 23.5
226 27.9 21.1 31.7



#21
Chrysene
Concen: 8.569 ng/ul
RT: 21.95 min Scan# 3147
Delta R.T. -0.00 min
Lab File: BN000427.D
Acq: 15 Mar 2018 21:47

Tgt Ion:228 Resp: 531290
Ion Ratio Lower Upper
228 100
226 31.4 24.5 36.7
229 22.9 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 11.979 ng/ul

RT: 23.64 min Scan# 3435

Delta R.T. -0.00 min

Lab File: BN000427.D

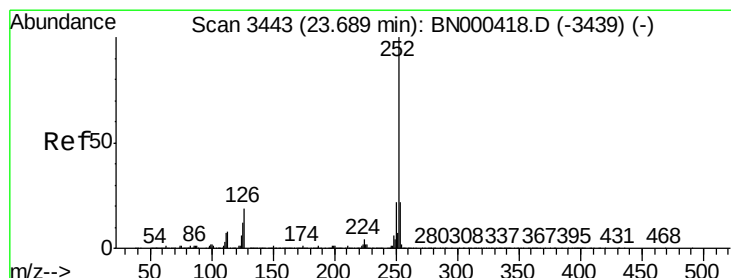
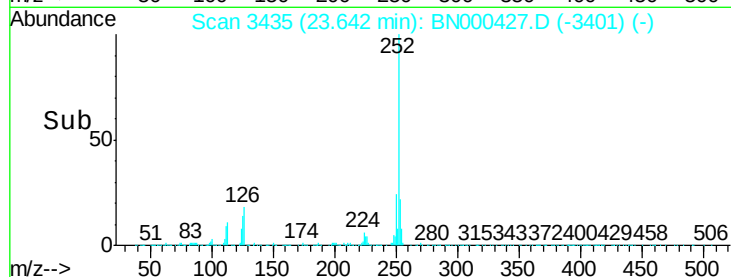
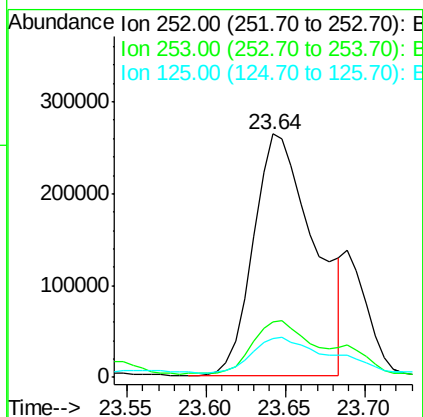
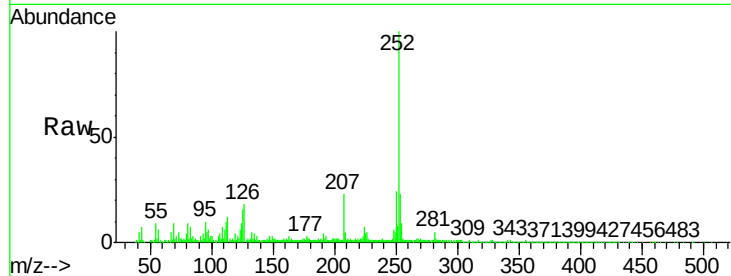
Acq: 15 Mar 2018 21:47

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	252	Resp:	697752
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	15.9	8.0	12.0#



#24

Benzo(k)fluoranthene

Concen: 12.797 ng/ul

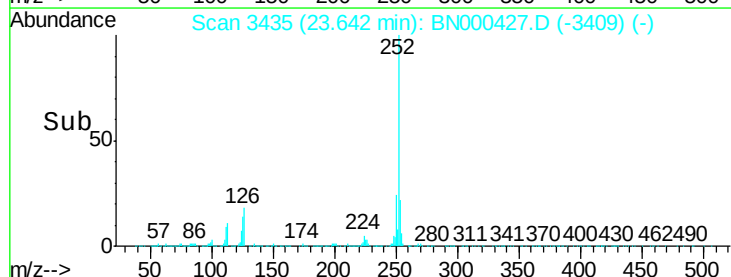
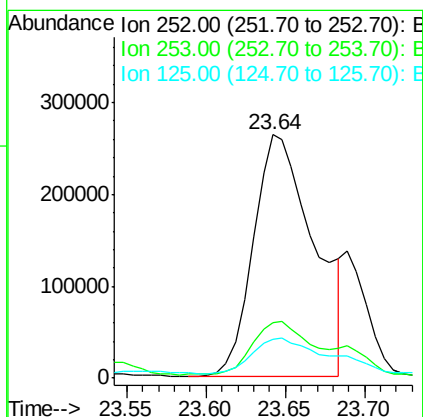
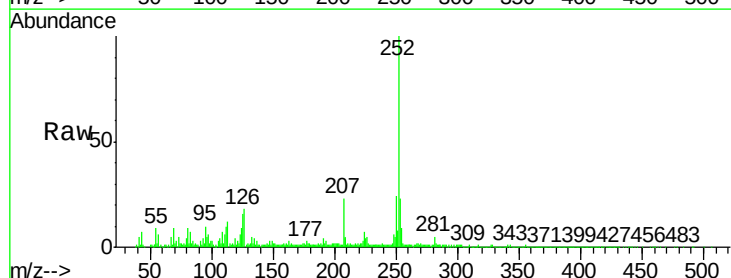
RT: 23.64 min Scan# 3435

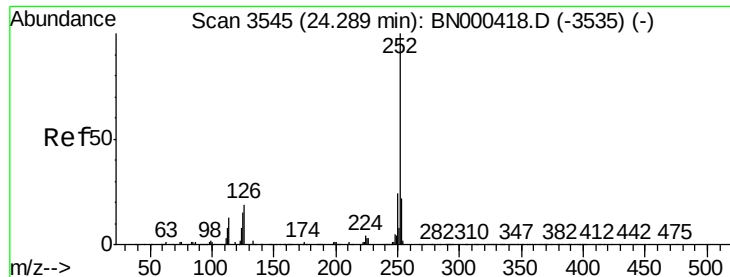
Delta R.T. -0.05 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

Tgt Ion:	252	Resp:	697752
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	15.9	8.1	12.1#





#26

Benzo(a)pyrene

Concen: 7.132 ng/ul

RT: 24.29 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

Instrument :

BNA_N

ClientSampleId :

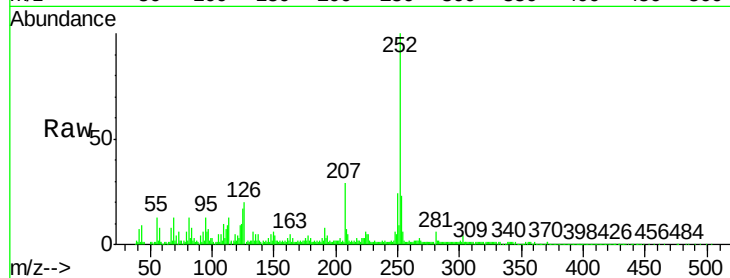
Tot Ion:252 Resp: 395387

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

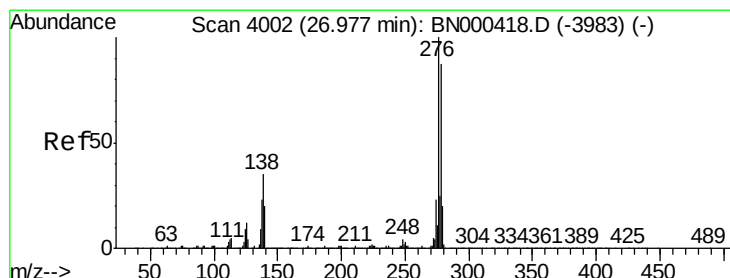
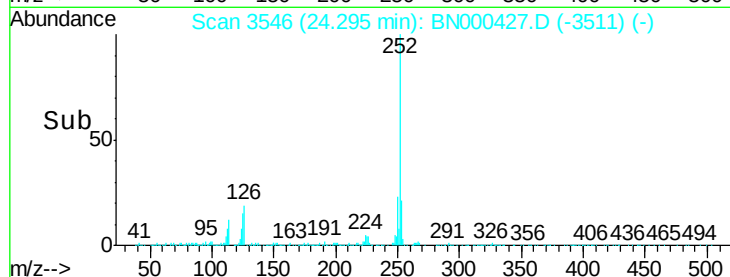
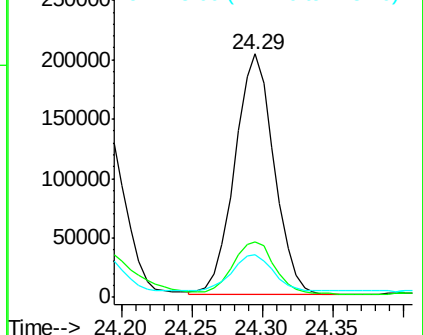
125 17.5 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.531 ng/ul

RT: 26.98 min Scan# 4003

Delta R.T. 0.01 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

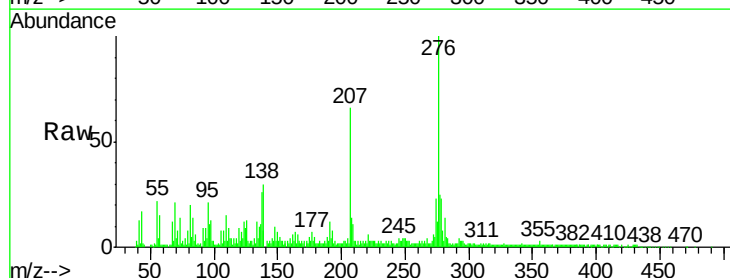
Tgt Ion:276 Resp: 270817

Ion Ratio Lower Upper

276 100

138 29.6 14.4 21.6#

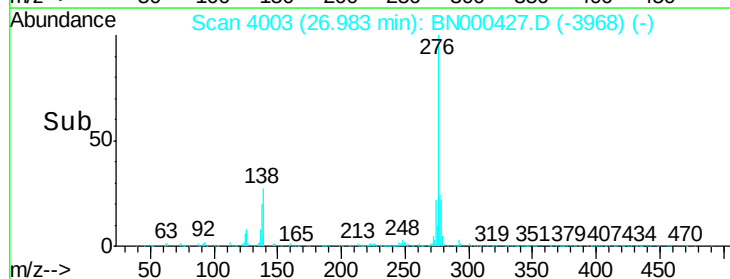
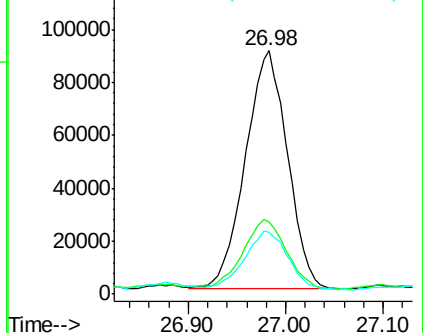
277 25.3 18.0 27.0

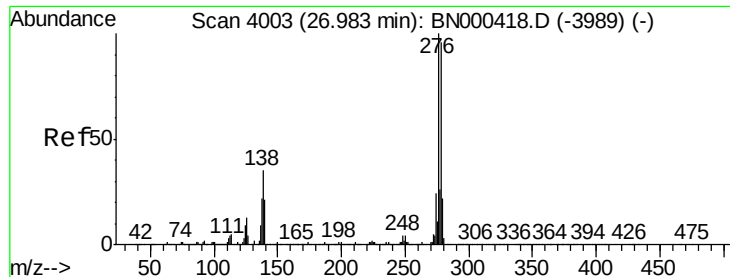


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 1.516 ng/ul

RT: 26.98 min Scan# 4003

Delta R.T. -0.00 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

Instrument :

BNA_N

ClientSampleId :

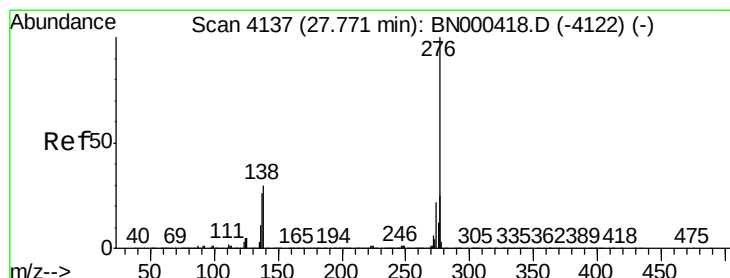
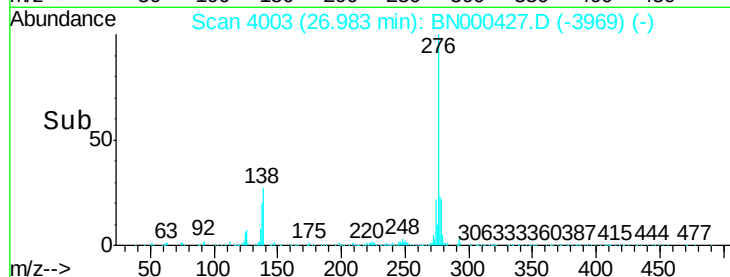
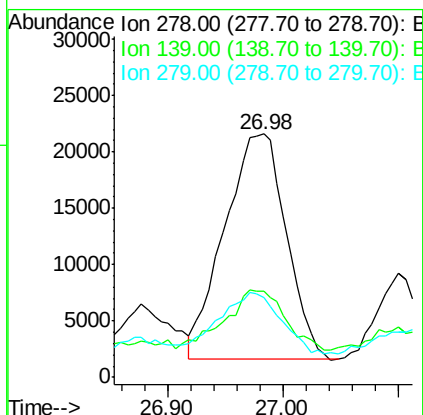
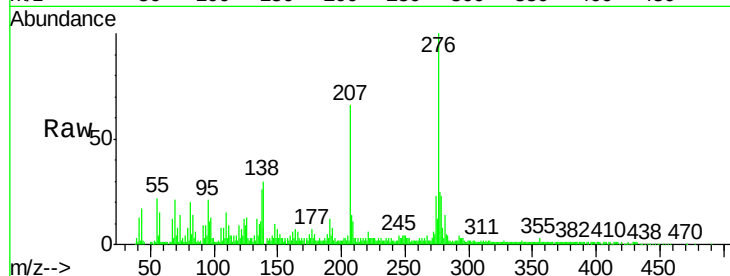
Tot Ion:278 Resp: 74281

Ion Ratio Lower Upper

278 100

139 35.3 12.2 18.4#

279 32.9 19.2 28.8#



#29

Benzo(g,h,i)perylene

Concen: 4.852 ng/ul

RT: 27.78 min Scan# 4138

Delta R.T. 0.01 min

Lab File: BN000427.D

Acq: 15 Mar 2018 21:47

Tgt Ion:276 Resp: 242170

Ion Ratio Lower Upper

276 100

138 31.2 15.3 22.9#

277 24.8 19.0 28.4

