

Data Path : Z:\HPCHEM1\BNA N\DATA\BN030518\
 Data File : BN000251.D
 Acq On : 05 Mar 2018 18:35
 Operator : JU/SJ
 Sample : MDL-SIM-S-06
 Misc : 0.07 PPM
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SIM-S-06

Quant Time: Mar 06 04:38:44 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN030218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 04:37:49 2018
 Response via : Initial Calibration

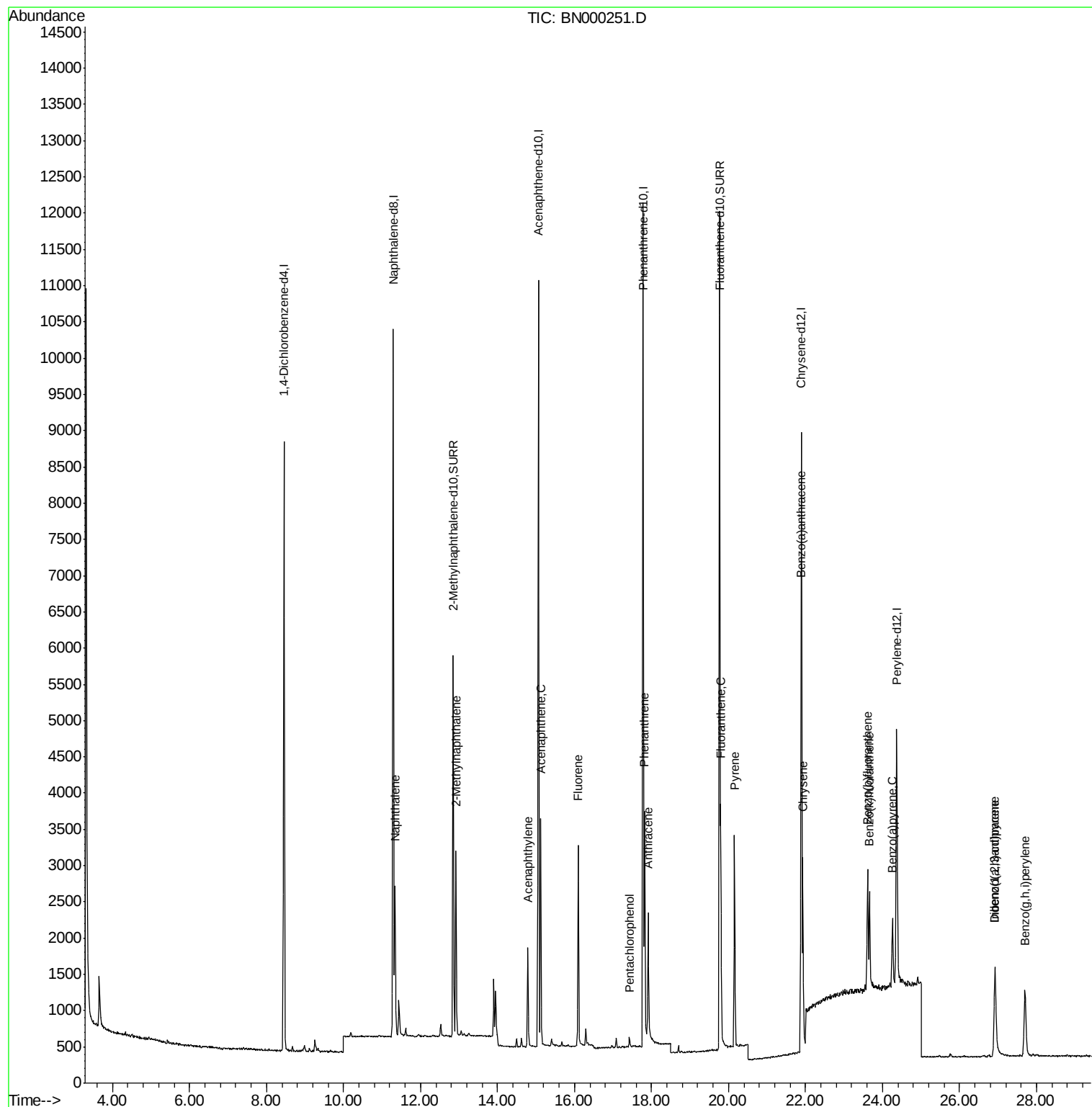
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	4285	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	13486	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	5697	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.78	188	12900	0.40	ng/ul	0.00
16) Chrysene-d12	21.89	240	7149	0.40	ng/ul	0.00
20) Perylene-d12	24.37	264	5681	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.85	152	6699	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.77	212	11316	0.38	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.34	128	2798	0.065	ng/ul#	91
5) 2-Methylnaphthalene	12.92	142	1714	0.063	ng/ul	99
7) Acenaphthylene	14.78	152	1704	0.060	ng/ul	96
8) Acenaphthene	15.12	153	1752	0.064	ng/ul	94
9) Fluorene	16.10	166	1831	0.062	ng/ul	91
11) Pentachlorophenol	17.43	266	97	0.037	ng/ul#	81
12) Phenanthrene	17.82	178	3255	0.062	ng/ul#	90
13) Anthracene	17.91	178	2164	0.055	ng/ul#	91
15) Fluoranthene	19.80	202	3123	0.061	ng/ul	62
17) Pyrene	20.16	202	3041	0.072	ng/ul#	55
18) Benzo(a)anthracene	21.88	228	1808	0.064	ng/ul#	84
19) Chrysene	21.93	228	2701	0.071	ng/ul	95
21) Benzo(b)fluoranthene	23.61	252	2187	0.064	ng/ul#	80
22) Benzo(k)fluoranthene	23.66	252	1916	0.059	ng/ul#	72
23) Benzo(a)pyrene	24.26	252	1593	0.060	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	26.91	276	1752	0.058	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.93	278	1231	0.057	ng/ul#	59
26) Benzo(g,h,i)perylene	27.70	276	1899	0.064	ng/ul#	71

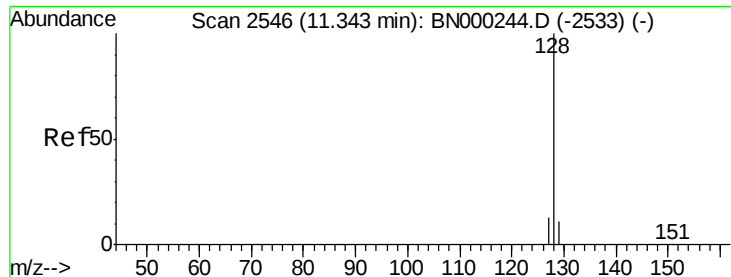
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.065 ng/ul

RT: 11.34 min Scan# 2545

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-06

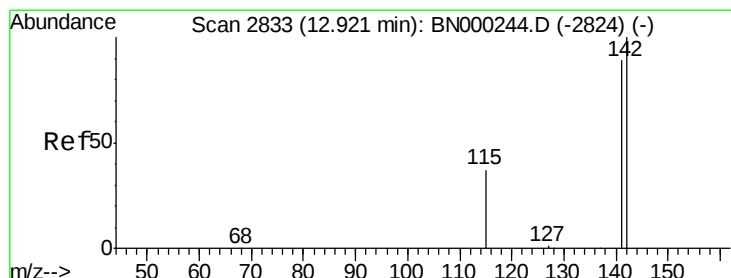
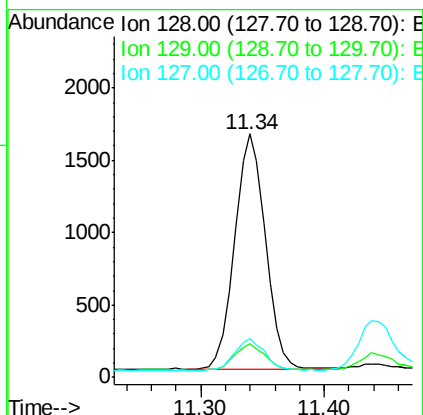
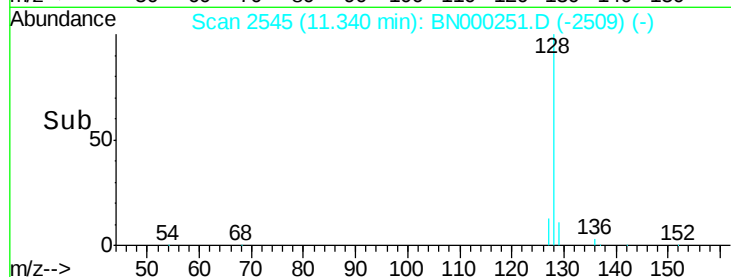
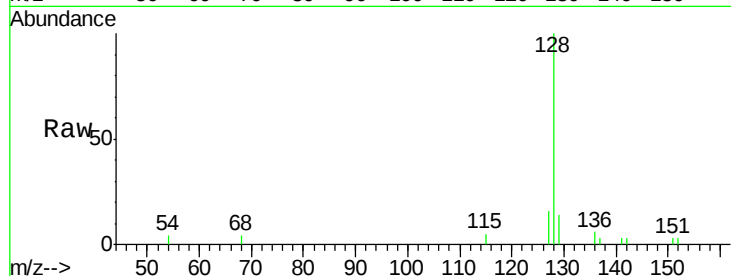
Tot Ion:128 Resp: 2798

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

127 15.8 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.063 ng/ul

RT: 12.92 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BN000251.D

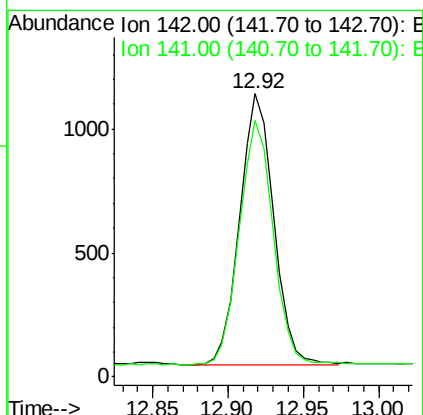
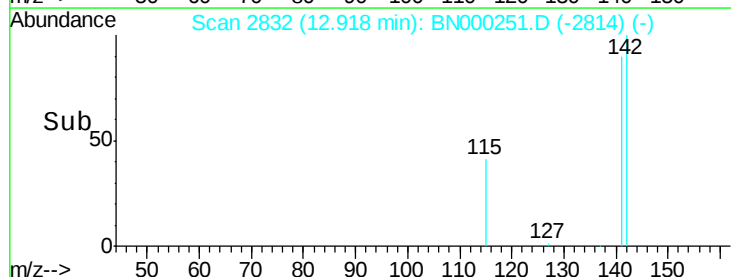
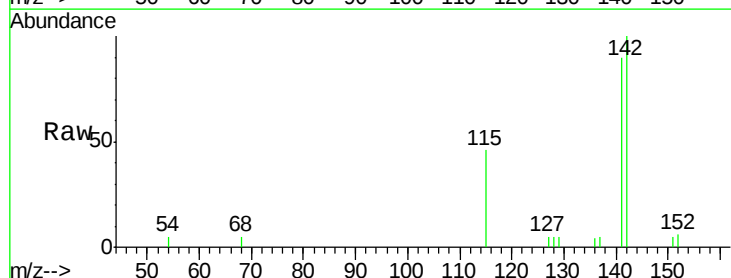
Acq: 05 Mar 2018 18:35

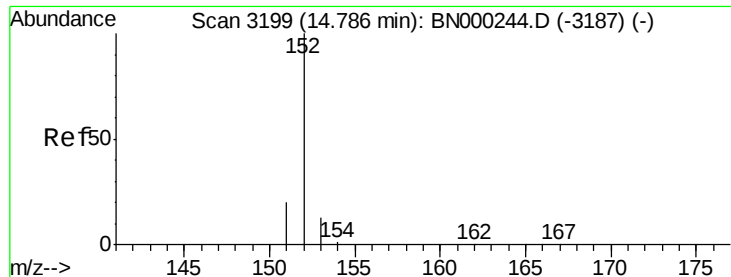
Tgt Ion:142 Resp: 1714

Ion Ratio Lower Upper

142 100

141 90.1 72.6 108.8





#7

Acenaphthylene

Concen: 0.060 ng/ul

RT: 14.78 min Scan# 3198

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-06

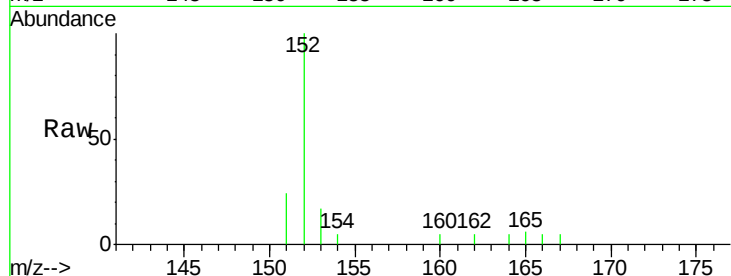
Tot Ion:152 Resp: 1704

Ion Ratio Lower Upper

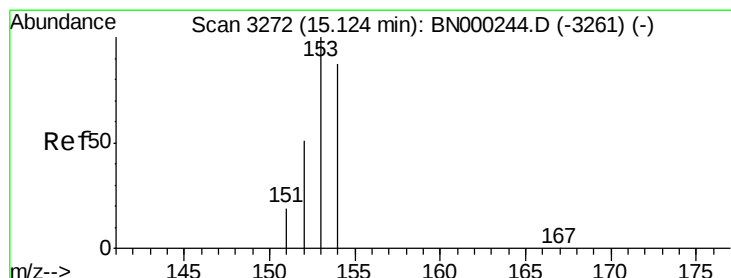
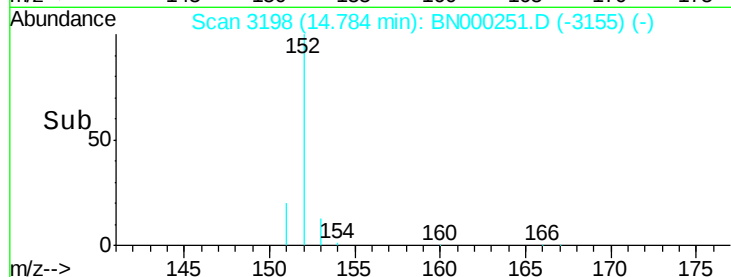
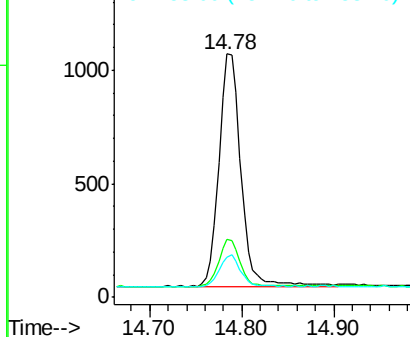
152 100

151 24.1 17.1 25.7

153 16.6 12.8 19.2



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: 0.064 ng/ul

RT: 15.12 min Scan# 3271

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

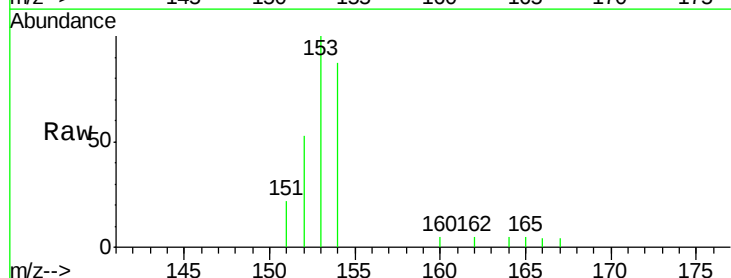
Tgt Ion:153 Resp: 1752

Ion Ratio Lower Upper

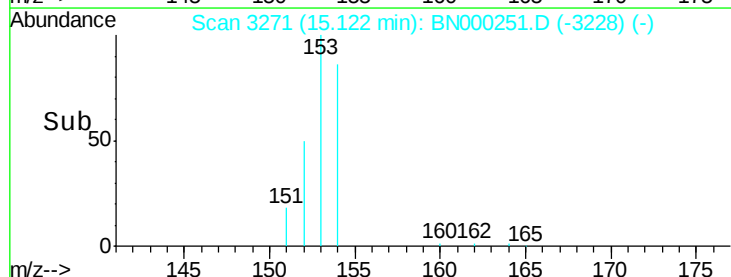
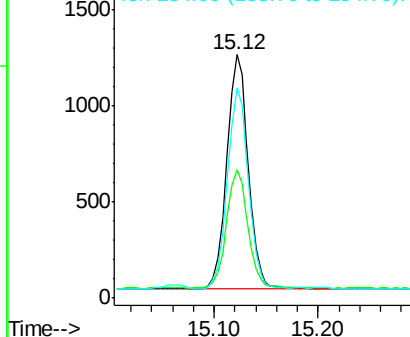
153 100

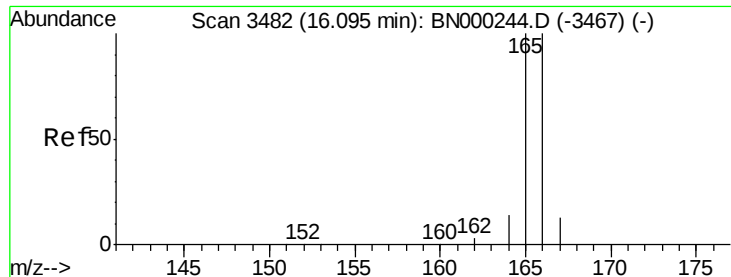
152 52.7 36.0 54.0

154 86.6 72.0 108.0



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: 0.062 ng/ul

RT: 16.10 min Scan# 3482

Delta R.T. 0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-06

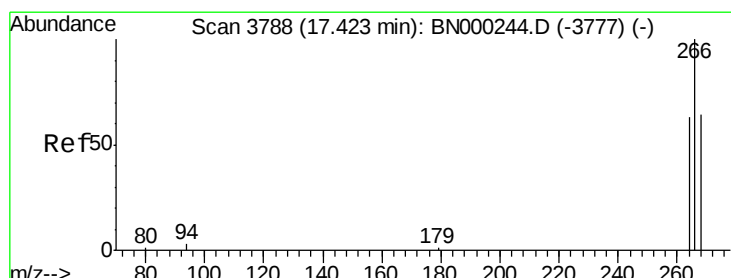
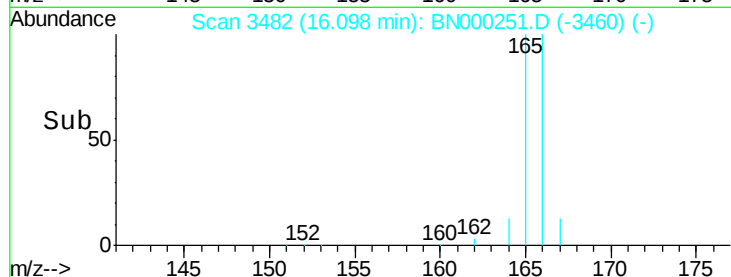
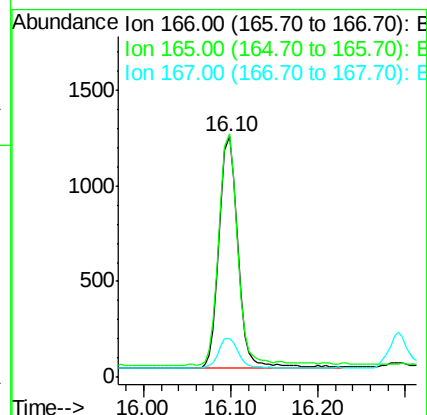
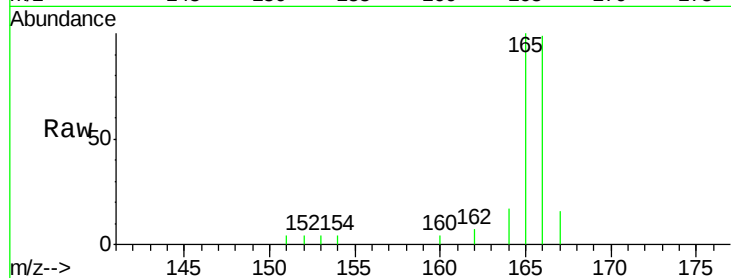
Tot Ion:166 Resp: 1831

Ion Ratio Lower Upper

166 100

165 101.1 73.4 110.2

167 16.4 14.6 22.0



#11

Pentachlorophenol

Concen: 0.037 ng/ul

RT: 17.43 min Scan# 3788

Delta R.T. 0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

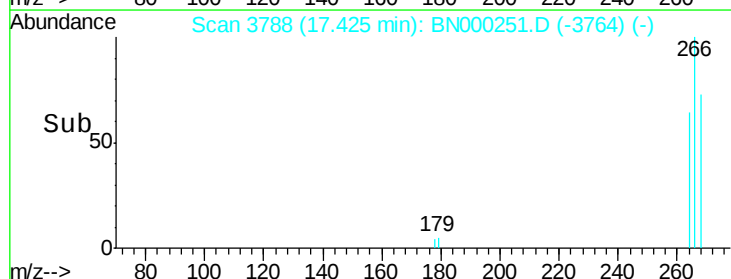
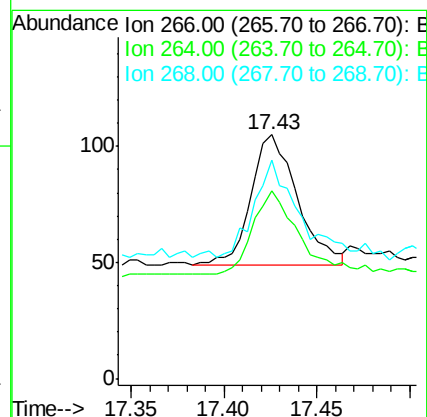
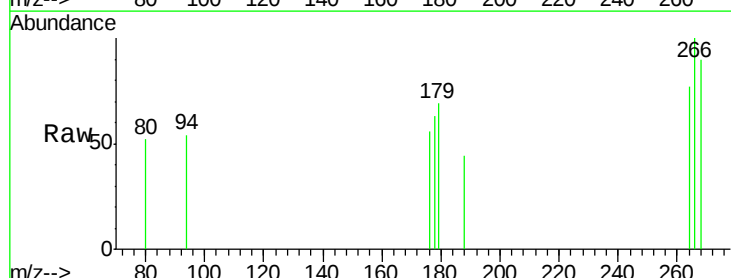
Tgt Ion:266 Resp: 97

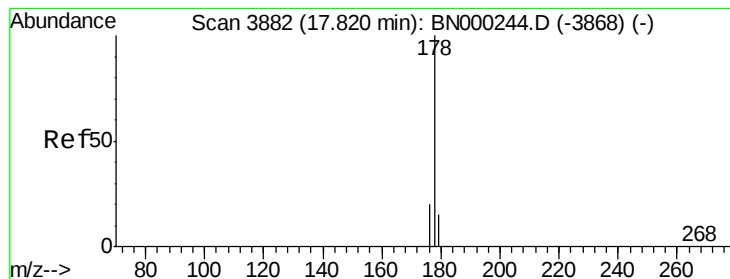
Ion Ratio Lower Upper

266 100

264 71.1 47.9 71.9

268 79.4 49.8 74.8#





#12

Phenanthrene

Concen: 0.062 ng/ul

RT: 17.82 min Scan# 3882

Delta R.T. 0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-06

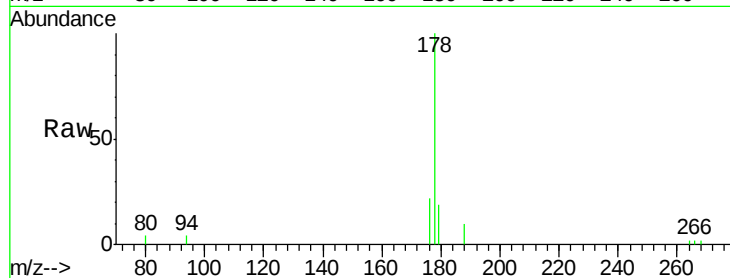
Tot Ion:178 Resp: 3255

Ion Ratio Lower Upper

178 100

179 18.5 18.4 27.6

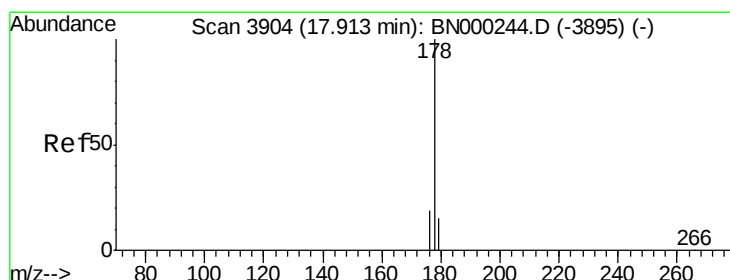
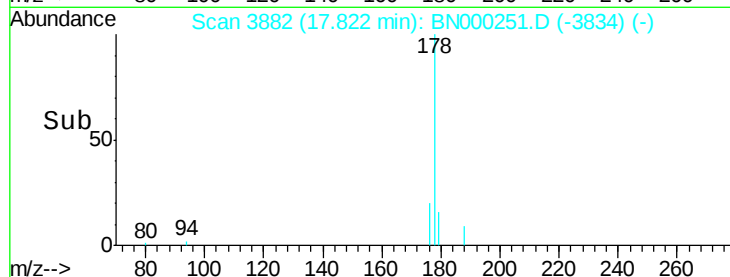
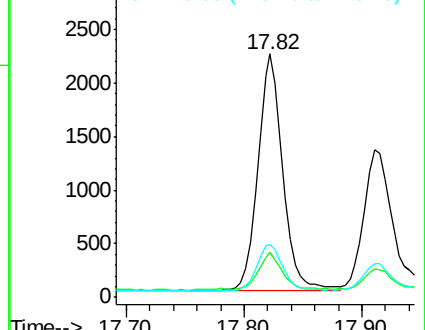
176 21.8 13.6 20.4#



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: 0.055 ng/ul

RT: 17.91 min Scan# 3903

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

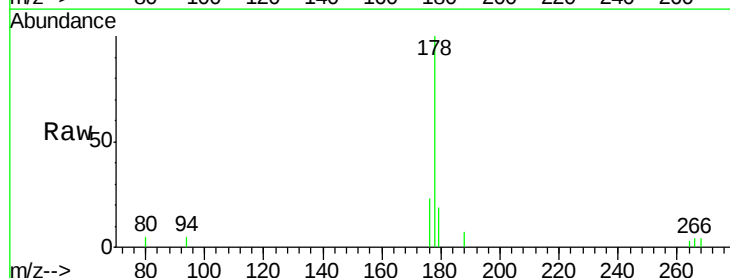
Tgt Ion:178 Resp: 2164

Ion Ratio Lower Upper

178 100

179 19.2 18.1 27.1

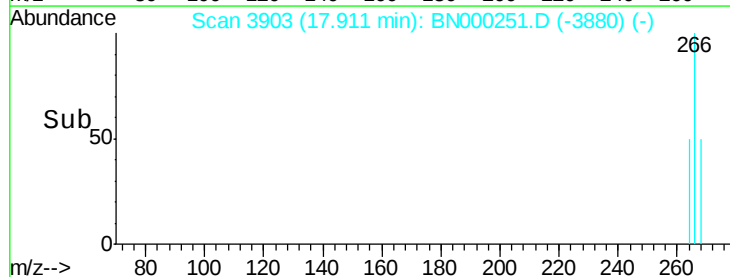
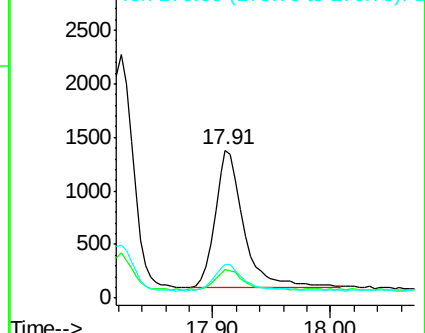
176 23.1 14.7 22.1#

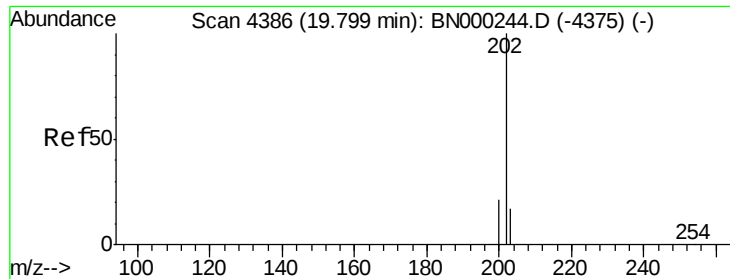


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.061 ng/ul

RT: 19.80 min Scan# 4385

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-06

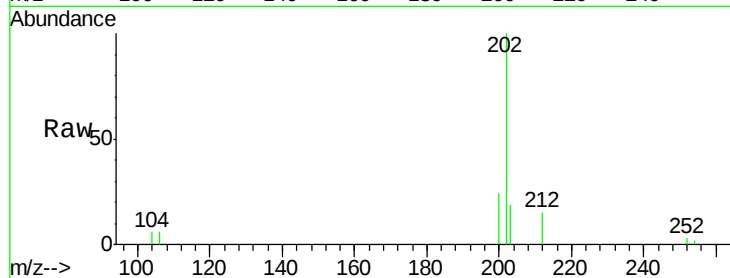
Tot Ion:202 Resp: 3123

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.3

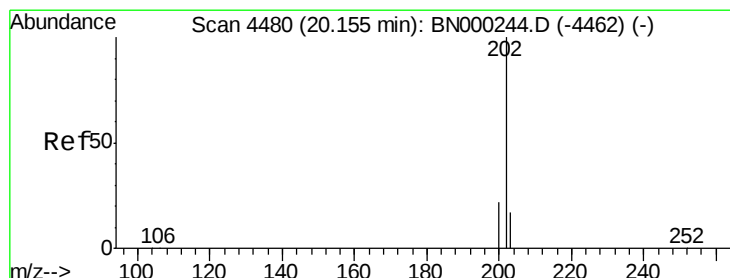
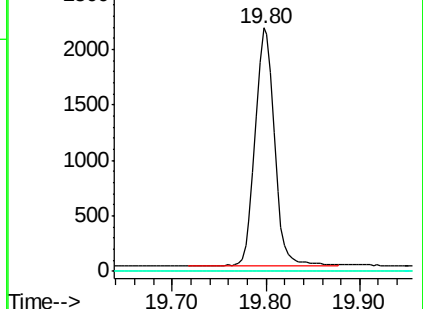
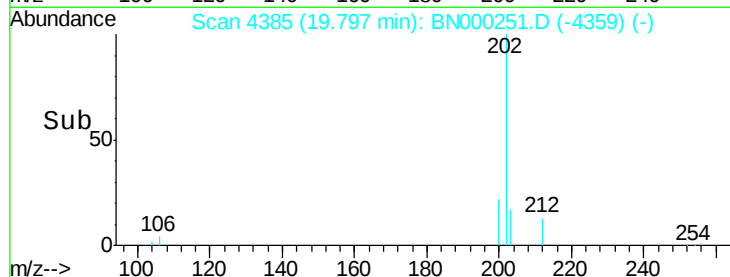
100 0.0 0.0 39.5



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: 0.072 ng/ul

RT: 20.16 min Scan# 4480

Delta R.T. 0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

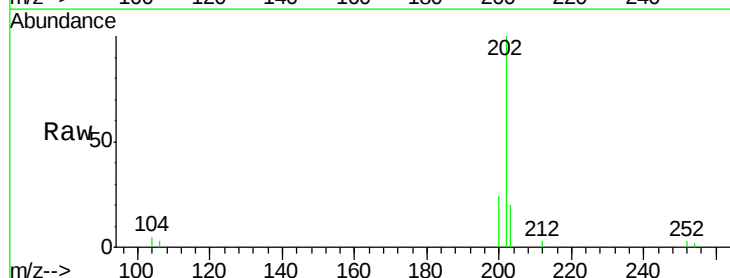
Tgt Ion:202 Resp: 3041

Ion Ratio Lower Upper

202 100

101 0.0 18.2 27.4#

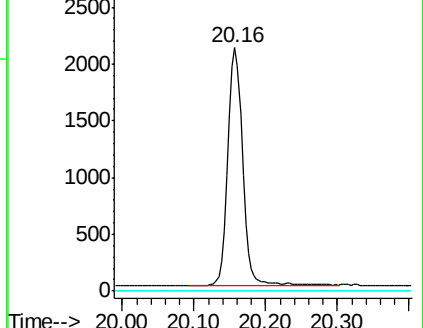
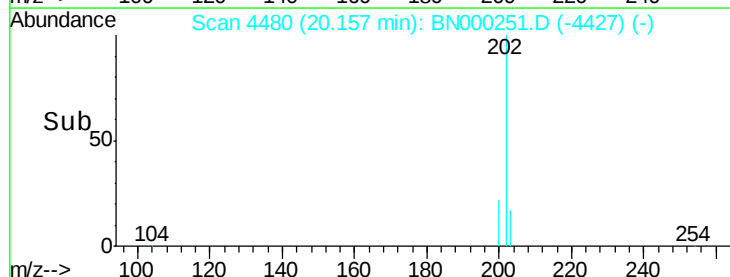
100 0.0 15.6 23.4#

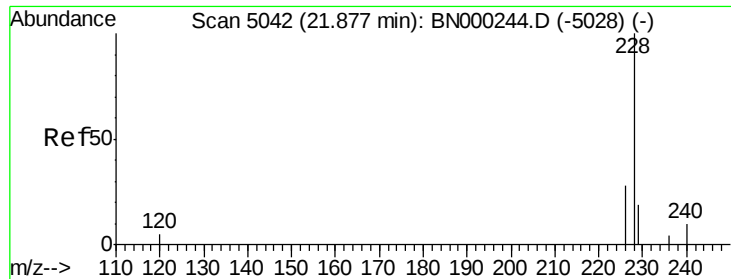


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.064 ng/ul

RT: 21.88 min Scan# 5041

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

Instrument :

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ClientSampleId :

MDL-SIM-S-06

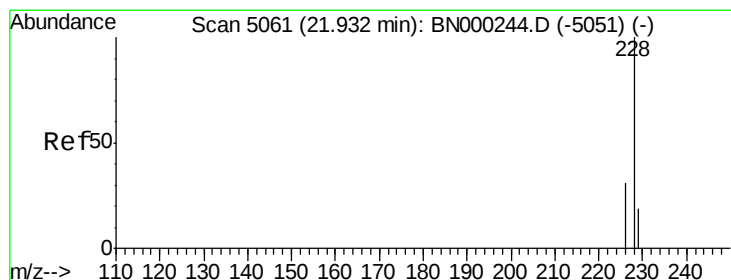
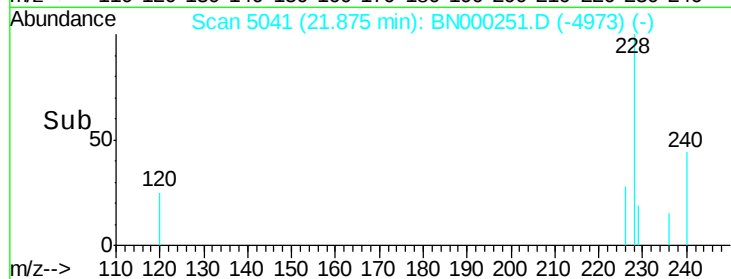
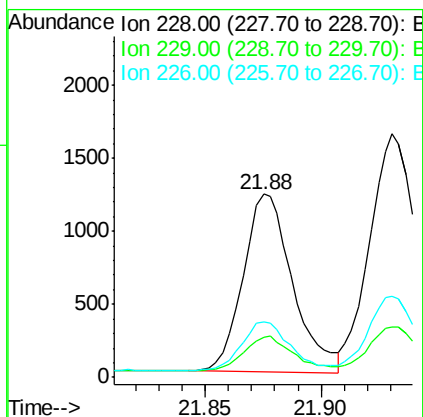
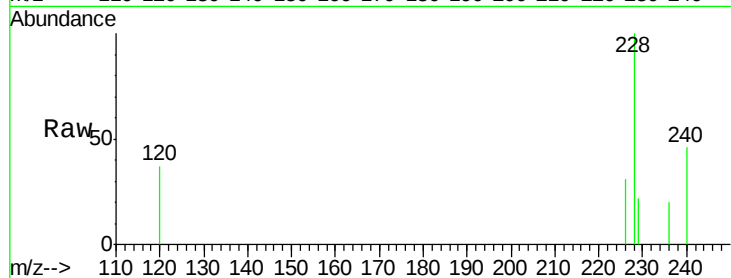
Tot Ion:228 Resp: 1808

Ion Ratio Lower Upper

228 100

229 21.7 22.8 34.2#

226 30.6 17.0 25.6#



#19

Chrysene

Concen: 0.071 ng/ul

RT: 21.93 min Scan# 5060

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

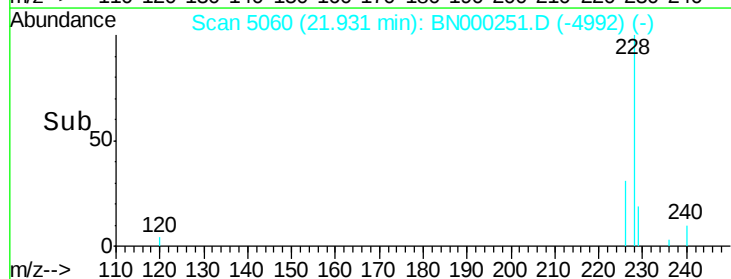
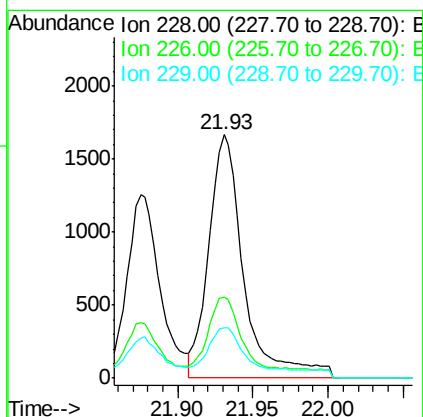
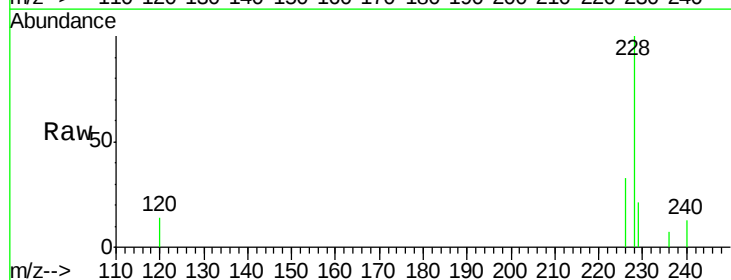
Tgt Ion:228 Resp: 2701

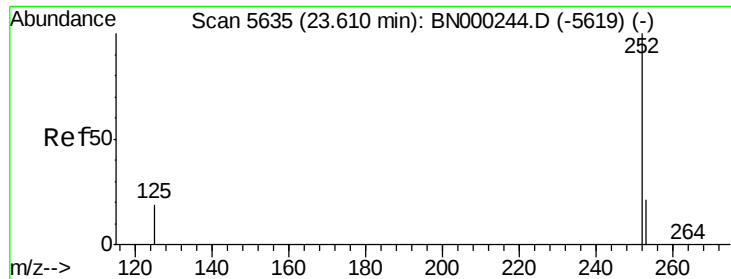
Ion Ratio Lower Upper

228 100

226 33.3 23.4 35.0

229 20.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.064 ng/ul

RT: 23.61 min Scan# 5634

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

Instrument :

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MDL-SIM-S-06

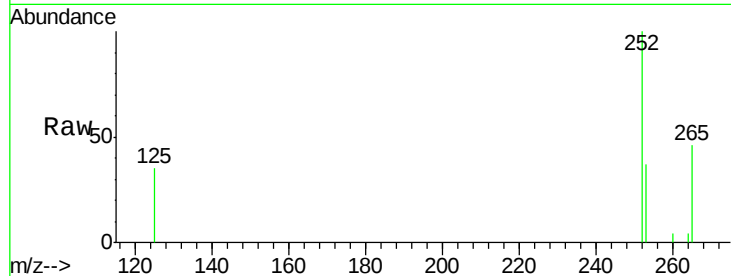
Tot Ion:252 Resp: 2187

Ion Ratio Lower Upper

252 100

253 37.1 0.0 64.2

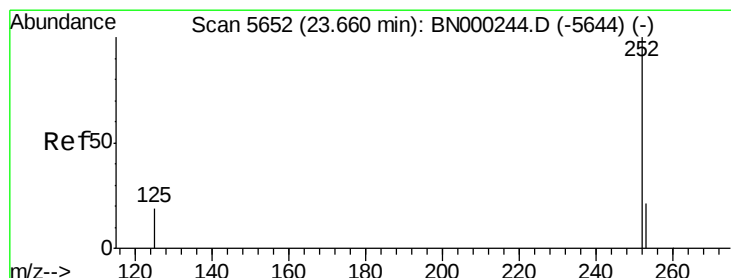
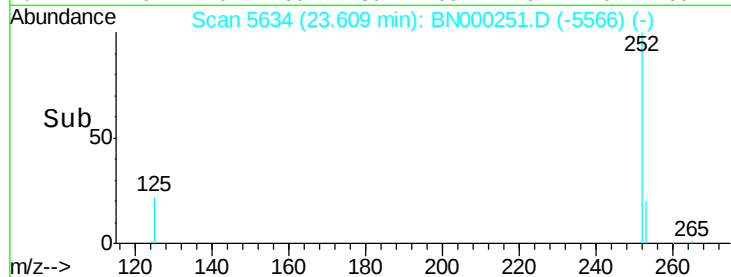
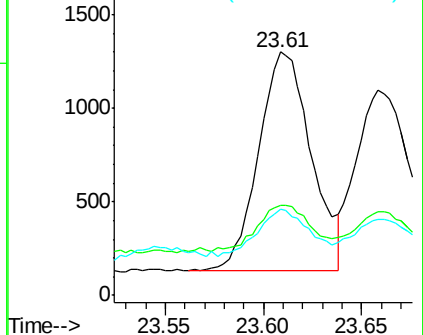
125 35.5 0.0 35.0#



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: 0.059 ng/ul

RT: 23.66 min Scan# 5651

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

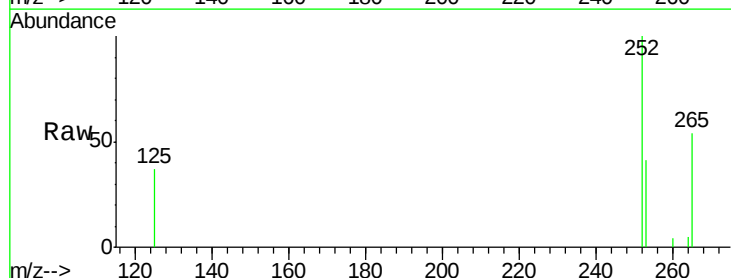
Tgt Ion:252 Resp: 1916

Ion Ratio Lower Upper

252 100

253 40.6 24.5 36.7#

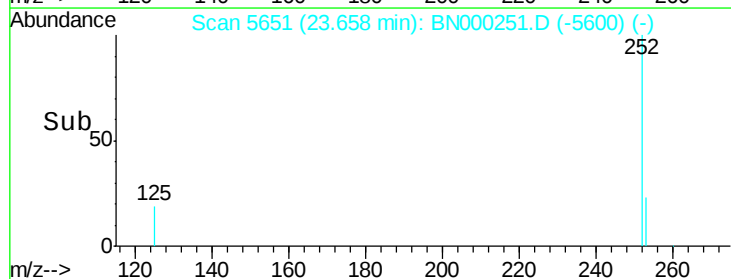
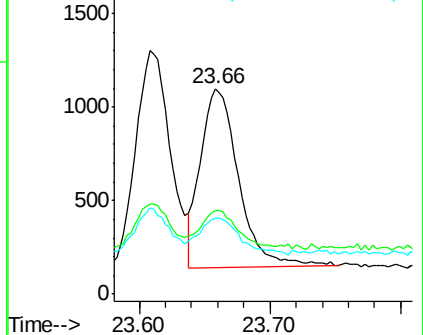
125 36.7 13.7 20.5#

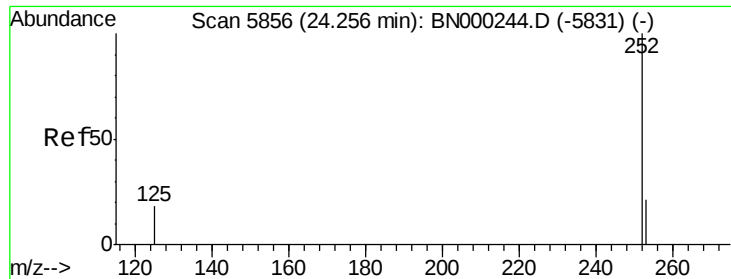


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.060 ng/u1

RT: 24.26 min Scan# 5856

Delta R.T. 0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-06

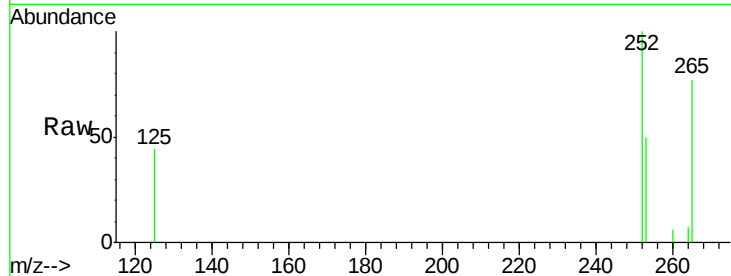
Tot Ion:252 Resp: 1593

Ion Ratio Lower Upper

252 100

253 50.4 28.5 42.7#

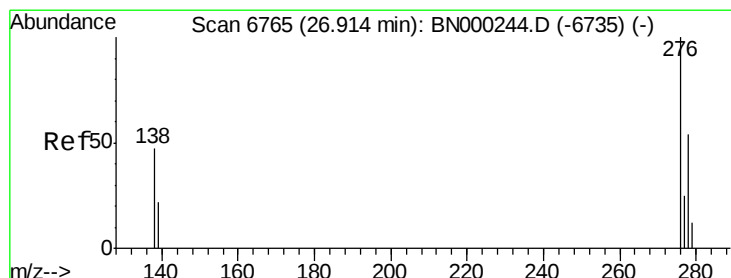
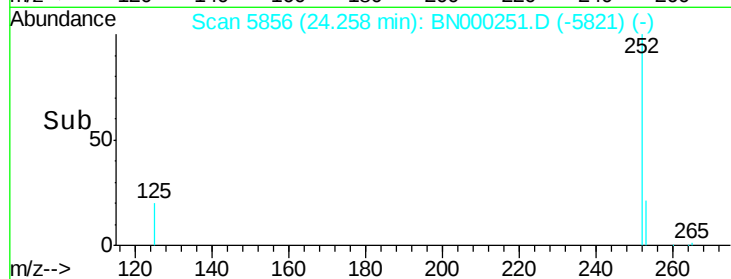
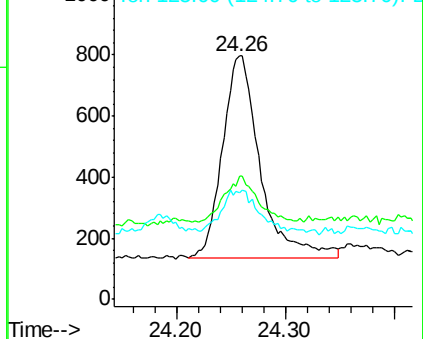
125 44.0 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.058 ng/u1

RT: 26.91 min Scan# 6764

Delta R.T. -0.00 min

Lab File: BN000251.D

Acq: 05 Mar 2018 18:35

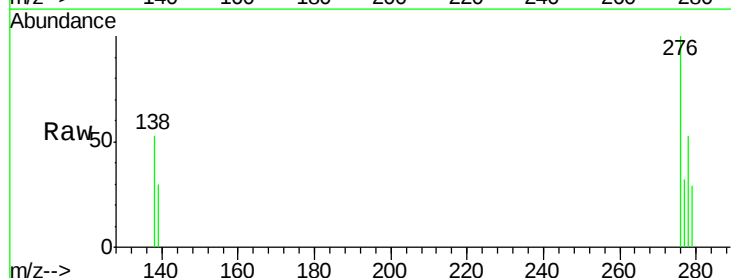
Tgt Ion:276 Resp: 1752

Ion Ratio Lower Upper

276 100

138 47.2 28.0 42.0#

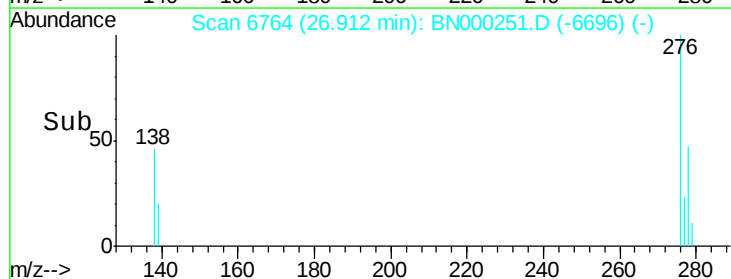
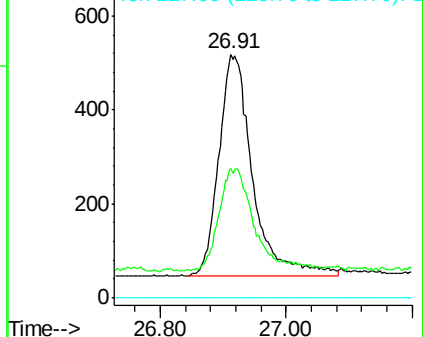
227 0.0 8.0 12.0#

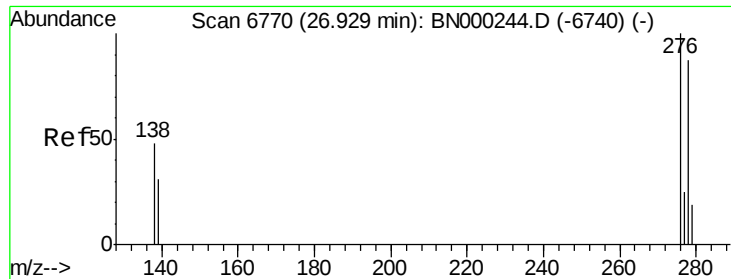


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

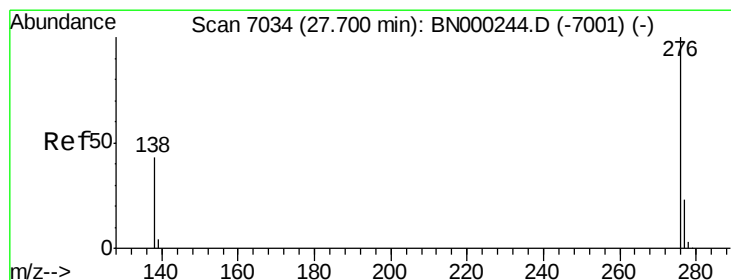
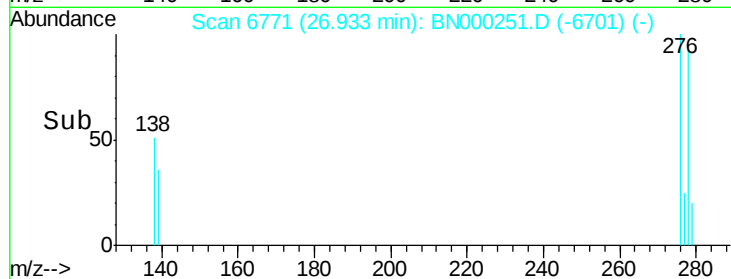
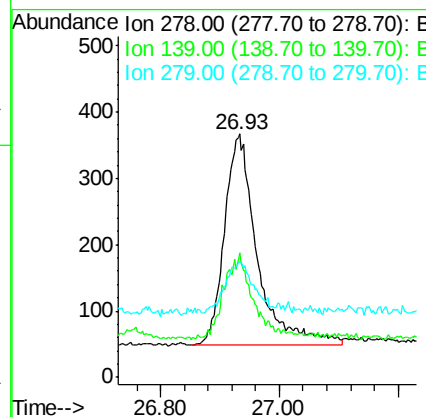
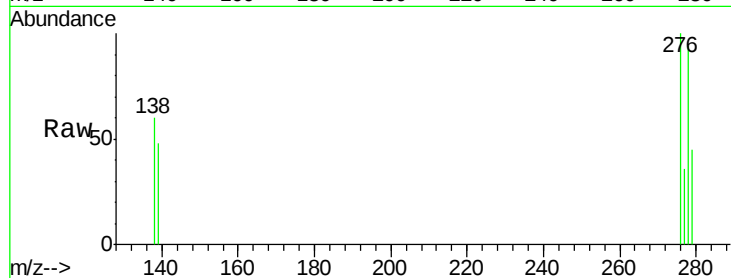




#25
Dibenzo(a,h)anthracene
Concen: 0.057 ng/u1
RT: 26.93 min Scan# 6771
Delta R.T. 0.00 min
Lab File: BN000251.D
Acq: 05 Mar 2018 18:35

Instrument :
BNA_N
ClientSampleId :
MDL-SIM-S-06

Tot Ion:278 Resp: 1231
Ion Ratio Lower Upper
278 100
139 51.2 17.4 26.0#
279 47.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.064 ng/u1
RT: 27.70 min Scan# 7034
Delta R.T. 0.00 min
Lab File: BN000251.D
Acq: 05 Mar 2018 18:35

Tgt Ion:276 Resp: 1899
Ion Ratio Lower Upper
276 100
138 51.8 21.8 32.8#
277 30.9 20.5 30.7#

