

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030518\
 Data File : BN000237.D
 Acq On : 05 Mar 2018 10:32
 Operator : JU/SJ
 Sample : MDL-SIM-W-01
 Misc : 0.07 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SIM-W-01

Quant Time: Mar 05 14:38:24 2018
 Quant Method : Z:\HPCHEM1\BNA_N\Methods\SOM-EPA-SIM-BN030218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 14:31:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	2897	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	8780	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	3802	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.78	188	11351	0.40	ng/ul	0.00
16) Chrysene-d12	21.89	240	7511	0.40	ng/ul	0.00
20) Perylene-d12	24.36	264	6152	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.85	152	4185	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.77	212	10451	0.40	ng/ul	0.00

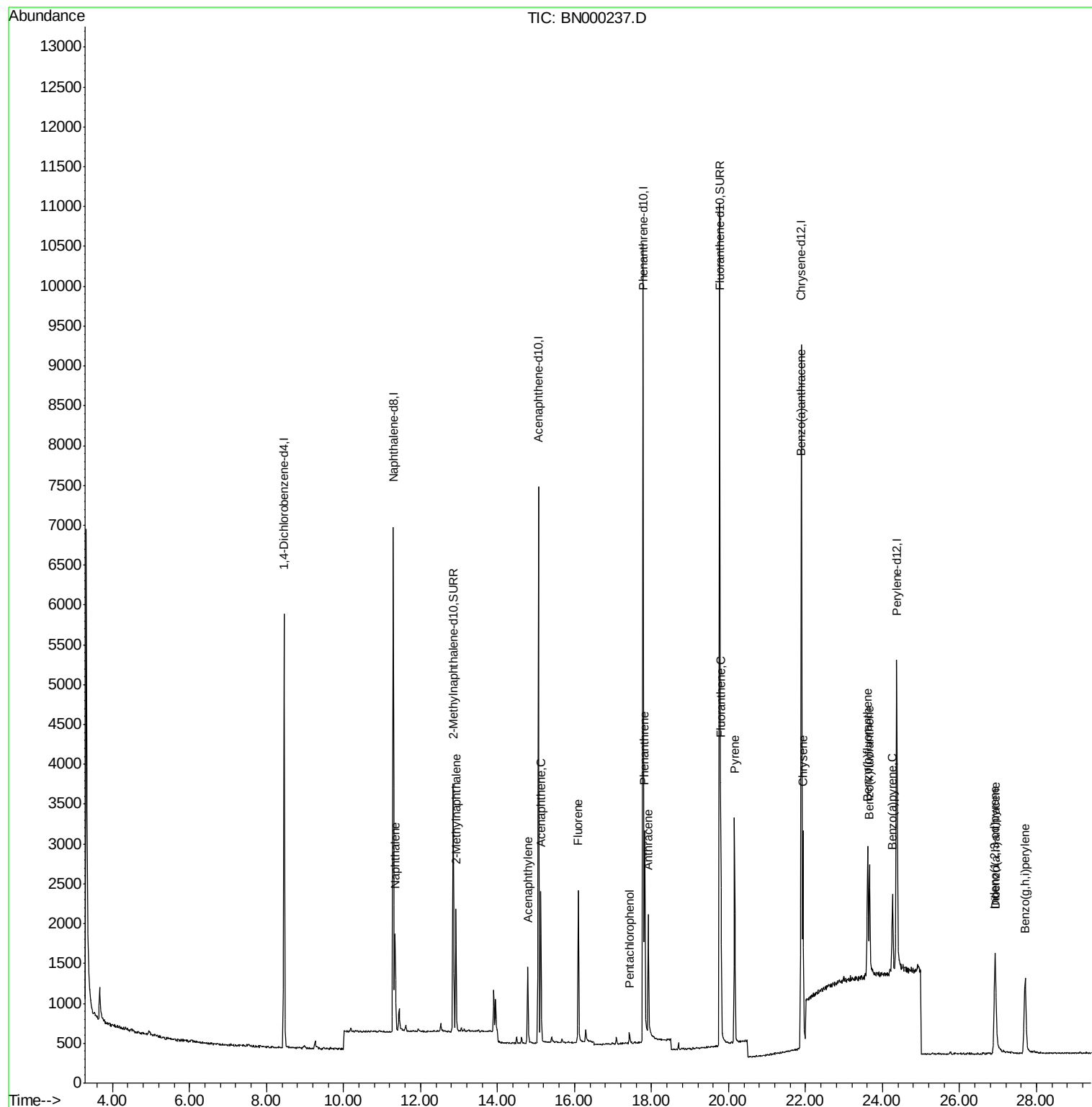
Target Compounds				Qvalue		
3) Naphthalene	11.34	128	1728	0.061	ng/ul#	87
5) 2-Methylnaphthalene	12.92	142	1057	0.059	ng/ul	100
7) Acenaphthylene	14.79	152	1165	0.062	ng/ul#	92
8) Acenaphthene	15.12	153	1094	0.060	ng/ul#	93
9) Fluorene	16.10	166	1281	0.065	ng/ul	91
11) Pentachlorophenol	17.42	266	97	0.043	ng/ul	91
12) Phenanthrene	17.82	178	2718	0.059	ng/ul#	89
13) Anthracene	17.91	178	1928	0.056	ng/ul#	91
15) Fluoranthene	19.80	202	2964	0.066	ng/ul	62
17) Pyrene	20.16	202	2880	0.065	ng/ul#	55
18) Benzo(a)anthracene	21.88	228	1766	0.060	ng/ul#	85
19) Chrysene	21.93	228	2758	0.069	ng/ul	94
21) Benzo(b)fluoranthene	23.61	252	2212	0.060	ng/ul	81
22) Benzo(k)fluoranthene	23.66	252	2014	0.058	ng/ul#	70
23) Benzo(a)pyrene	24.26	252	1639	0.057	ng/ul#	65
24) Indeno(1,2,3-cd)pyrene	26.91	276	1831	0.056	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.93	278	1221	0.052	ng/ul#	63
26) Benzo(g,h,i)perylene	27.70	276	2017	0.063	ng/ul#	72

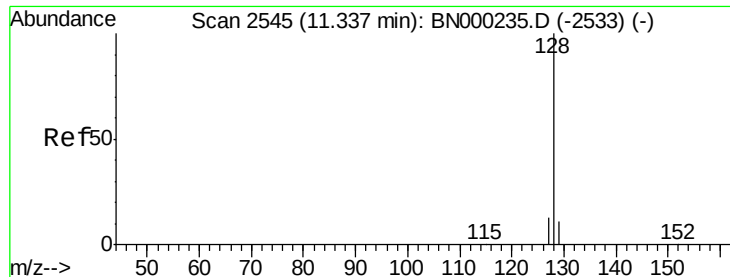
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.061 ng/ul

RT: 11.34 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01

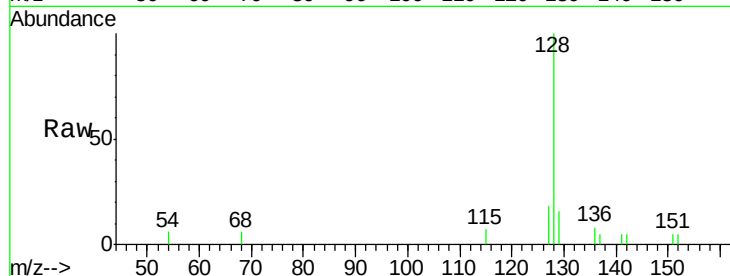
Tgt Ion:128 Resp: 1728

Ion Ratio Lower Upper

128 100

129 15.6 11.3 16.9

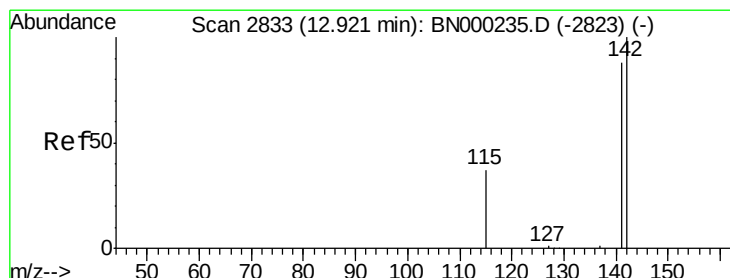
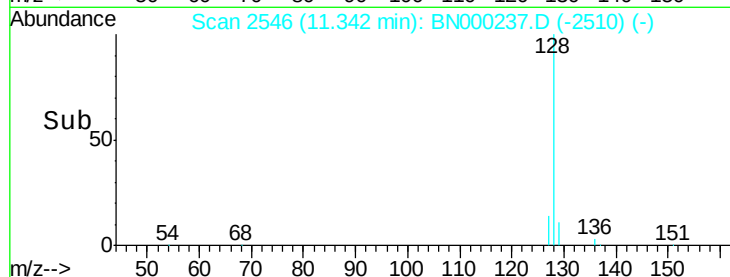
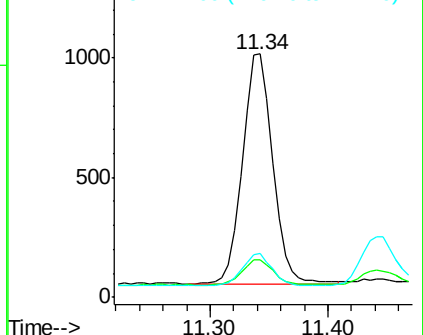
127 17.8 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.059 ng/ul

RT: 12.92 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BN000237.D

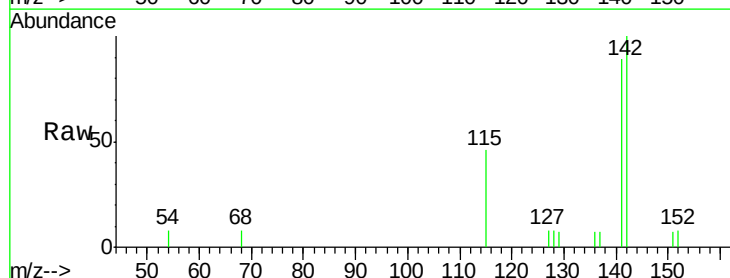
Acq: 05 Mar 2018 10:32

Tgt Ion:142 Resp: 1057

Ion Ratio Lower Upper

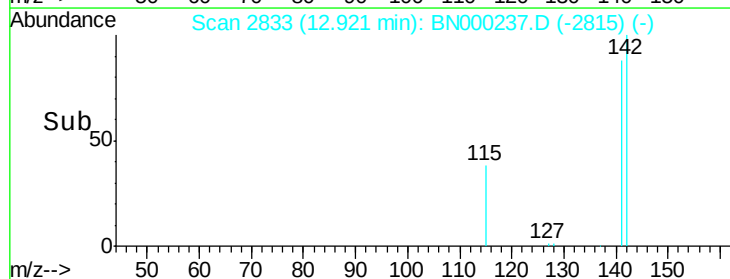
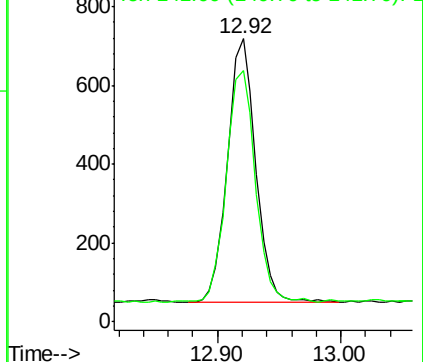
142 100

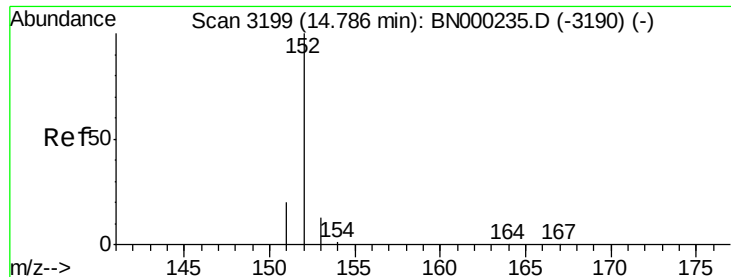
141 90.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.062 ng/ul

RT: 14.79 min Scan# 3199

Delta R.T. -0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

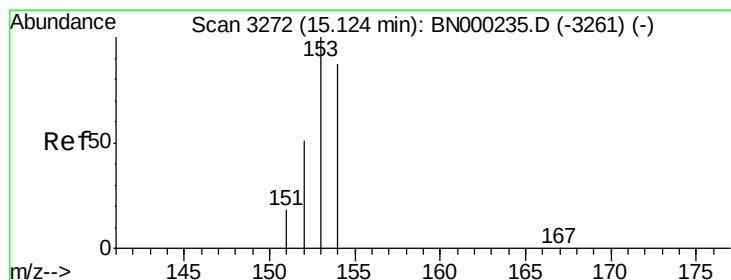
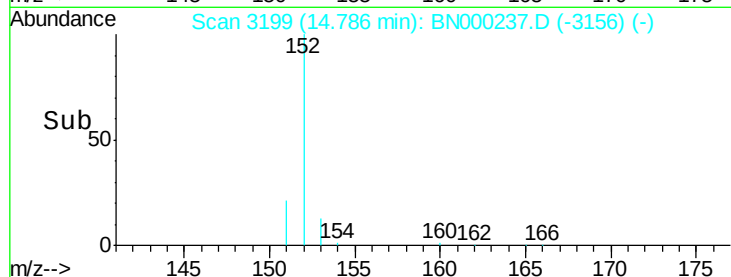
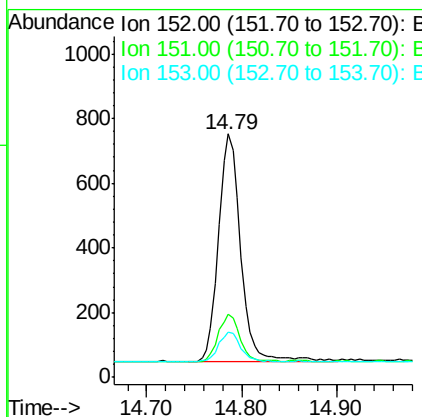
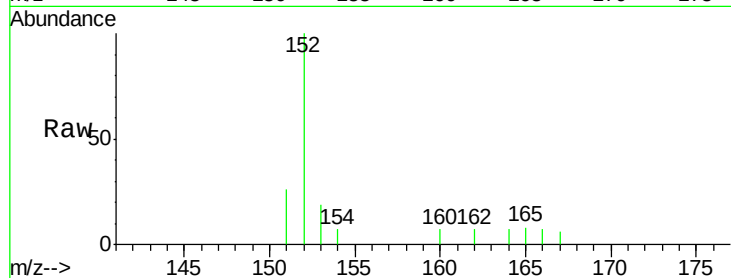
Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01

Tgt Ion:	152	Resp:	1165
Ion	Ratio	Lower	Upper
152	100		
151	25.8	17.1	25.7#
153	18.7	12.8	19.2



#8

Acenaphthene

Concen: 0.060 ng/ul

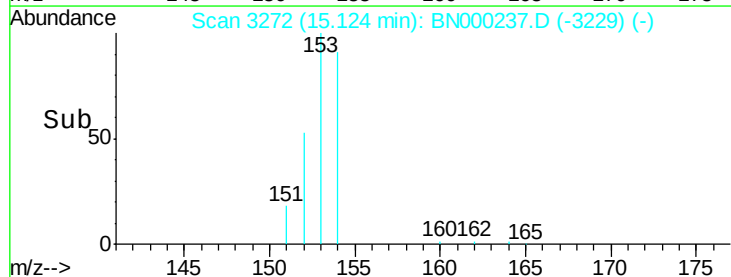
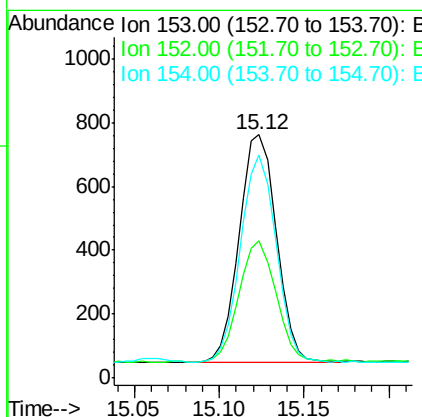
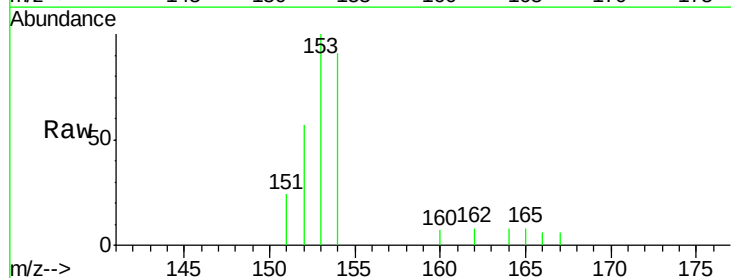
RT: 15.12 min Scan# 3272

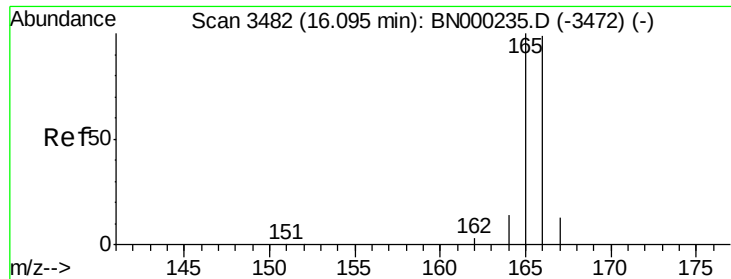
Delta R.T. 0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

Tgt Ion:	153	Resp:	1094
Ion	Ratio	Lower	Upper
153	100		
152	56.6	36.0	54.0#
154	91.5	72.0	108.0





#9

Fluorene

Concen: 0.065 ng/ul

RT: 16.10 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01

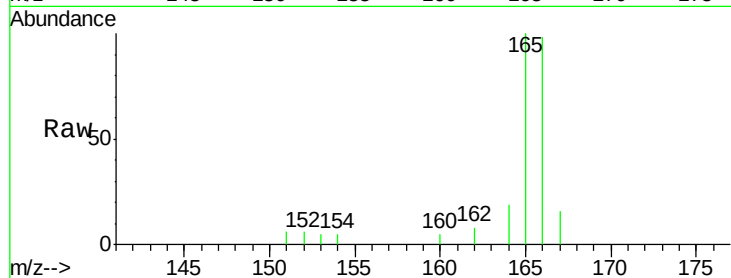
Tgt Ion:166 Resp: 1281

Ion Ratio Lower Upper

166 100

165 101.9 73.4 110.2

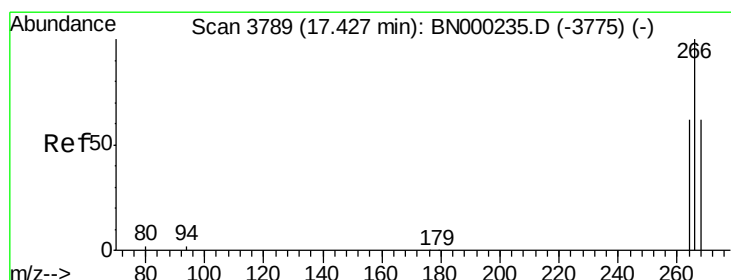
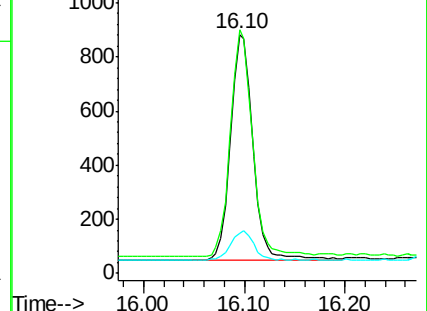
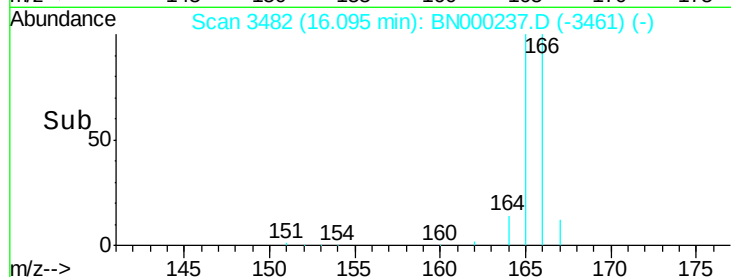
167 16.8 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.043 ng/ul

RT: 17.42 min Scan# 3788

Delta R.T. -0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

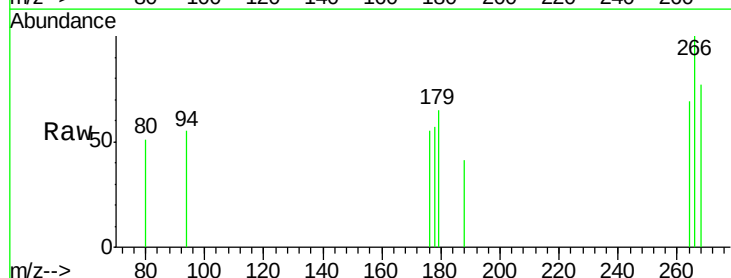
Tgt Ion:266 Resp: 97

Ion Ratio Lower Upper

266 100

264 62.9 47.9 71.9

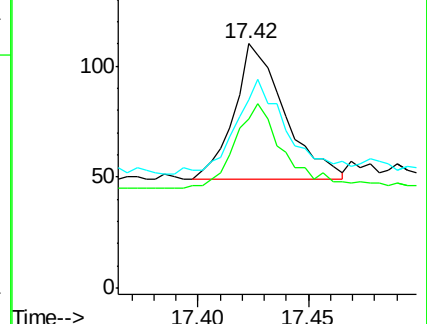
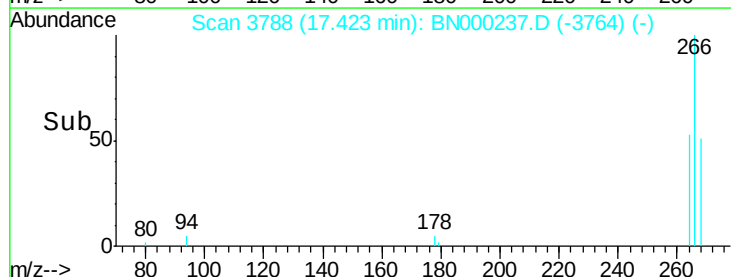
268 73.2 49.8 74.8

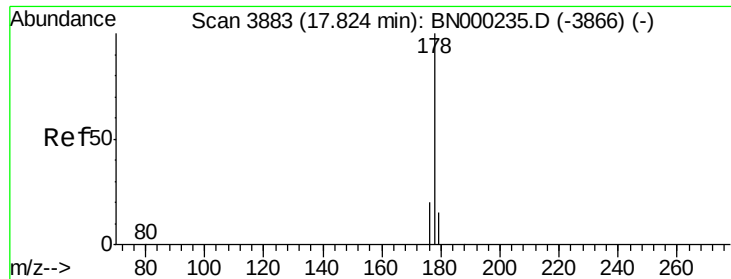


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.059 ng/ul

RT: 17.82 min Scan# 3883

Delta R.T. 0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01

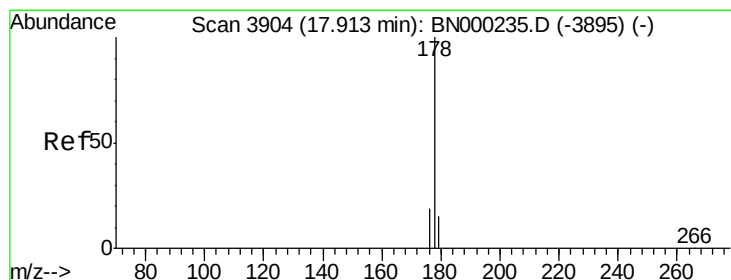
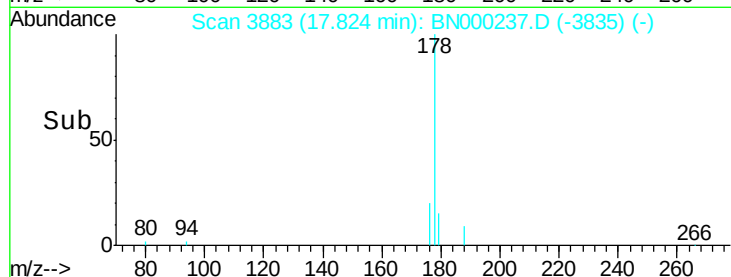
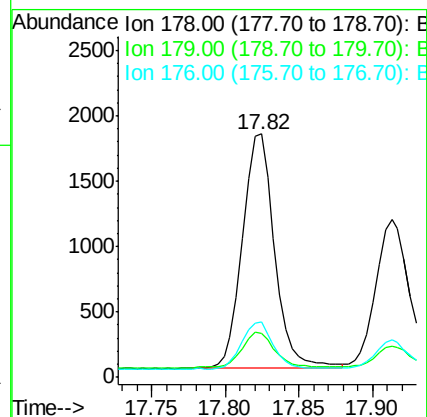
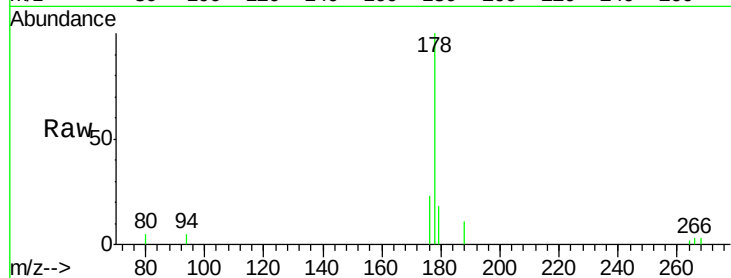
Tgt Ion:178 Resp: 2718

Ion Ratio Lower Upper

178 100

179 18.2 18.4 27.6#

176 22.6 13.6 20.4#



#13

Anthracene

Concen: 0.056 ng/ul

RT: 17.91 min Scan# 3904

Delta R.T. -0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

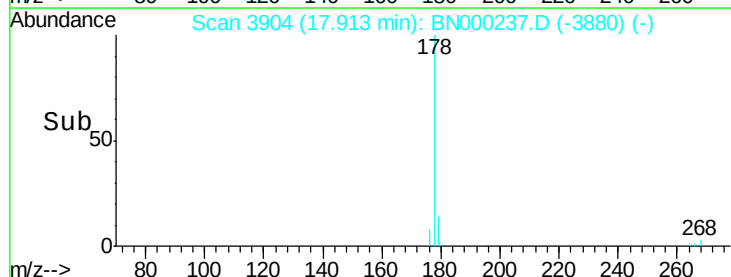
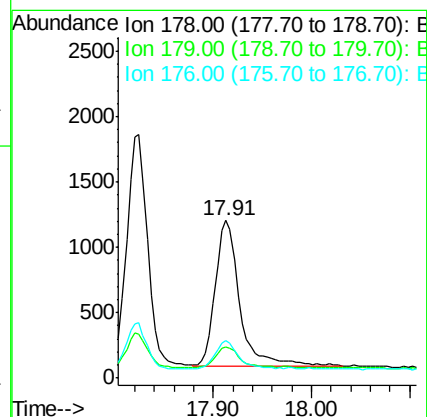
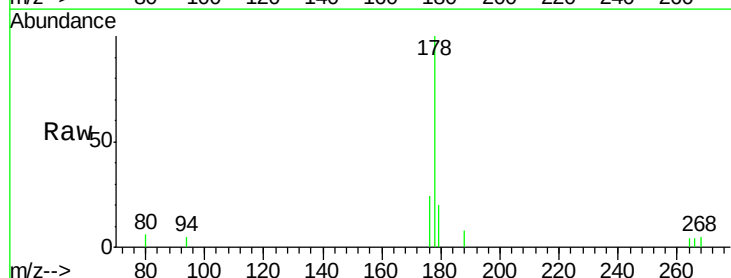
Tgt Ion:178 Resp: 1928

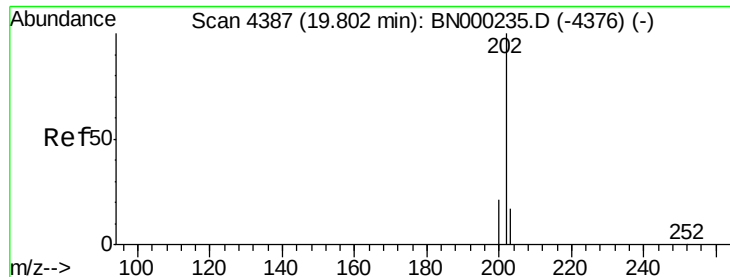
Ion Ratio Lower Upper

178 100

179 19.6 18.1 27.1

176 24.0 14.7 22.1#





#15

Fluoranthene

Concen: 0.066 ng/ul

RT: 19.80 min Scan# 4386

Delta R.T. -0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

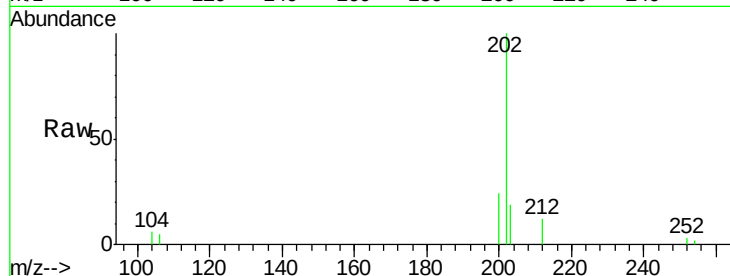
Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01

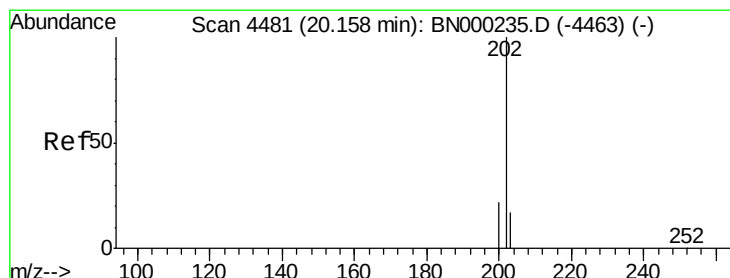
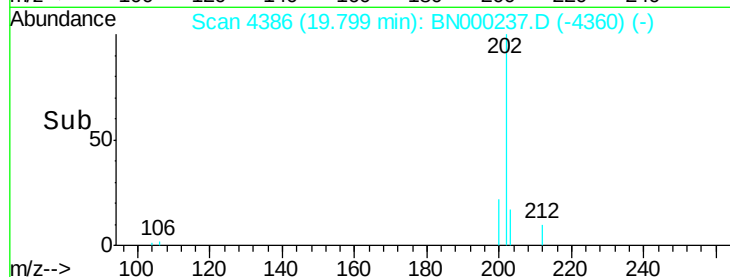
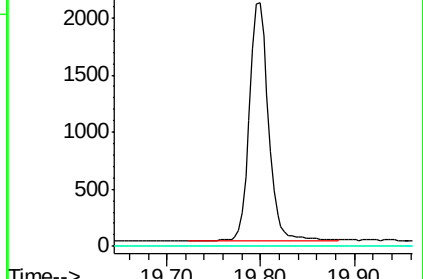
Tgt Ion:	202	Resp:	2964
Ion Ratio	Lower	Upper	
202	100		
101	0.0	0.0	30.3
100	0.0	0.0	39.5



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: 0.065 ng/ul

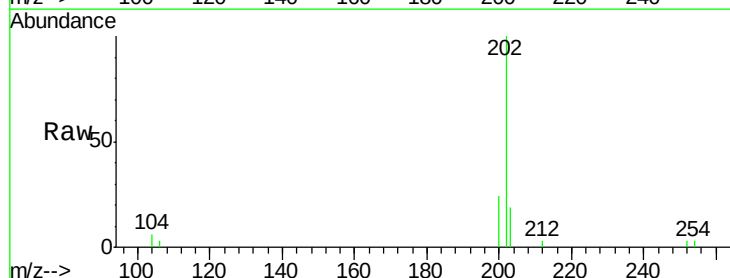
RT: 20.16 min Scan# 4480

Delta R.T. -0.00 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

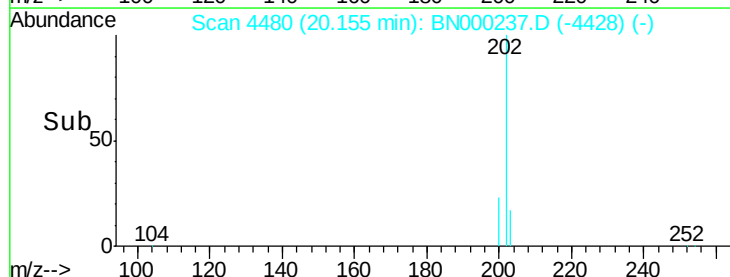
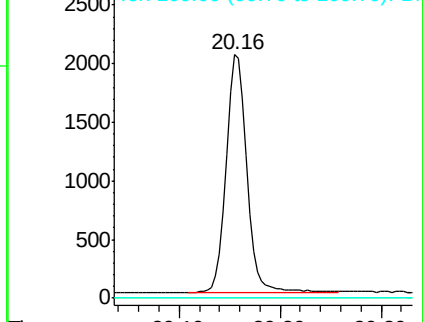
Tgt Ion:	202	Resp:	2880
Ion Ratio	Lower	Upper	
202	100		
101	0.0	18.2	27.4#
100	0.0	15.6	23.4#

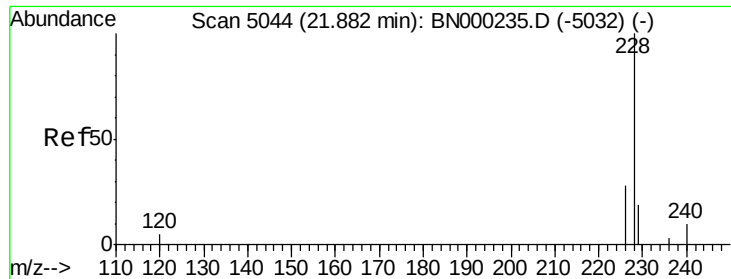


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.060 ng/ul

RT: 21.88 min Scan# 5042

Delta R.T. -0.01 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01

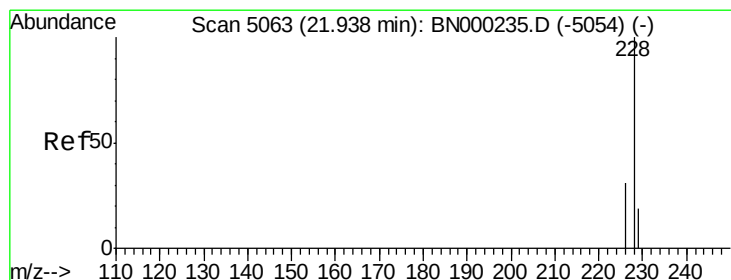
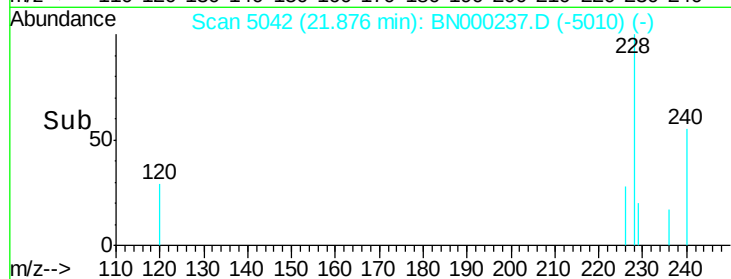
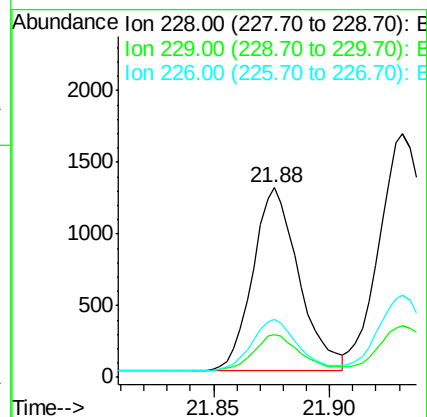
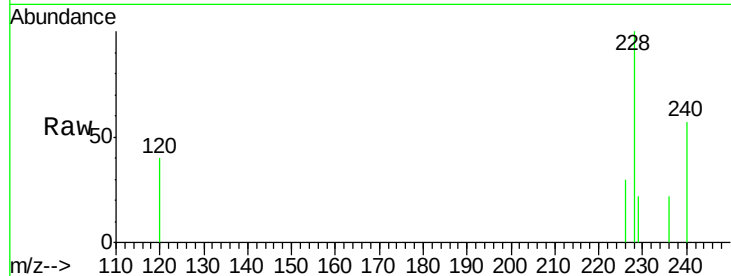
Tgt Ion:228 Resp: 1766

Ion Ratio Lower Upper

228 100

229 22.4 22.8 34.2#

226 30.4 17.0 25.6#



#19

Chrysene

Concen: 0.069 ng/ul

RT: 21.93 min Scan# 5061

Delta R.T. -0.01 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

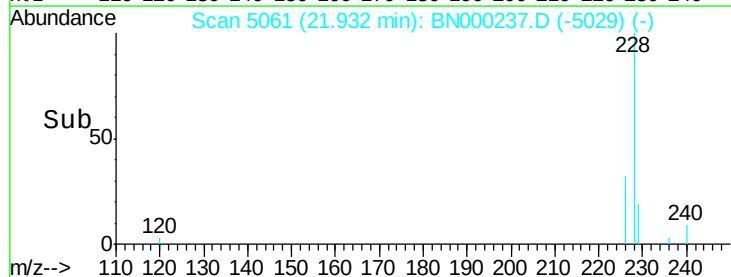
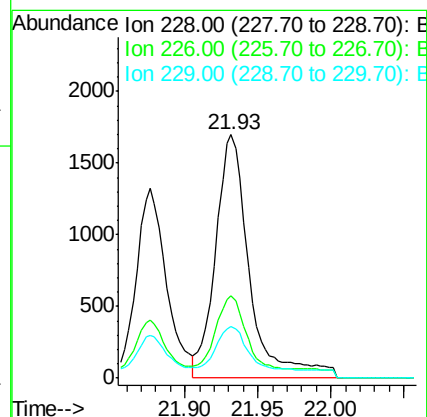
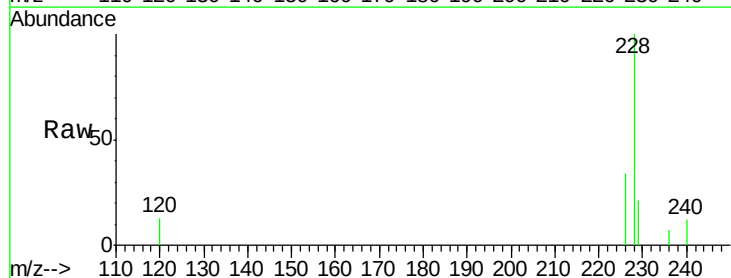
Tgt Ion:228 Resp: 2758

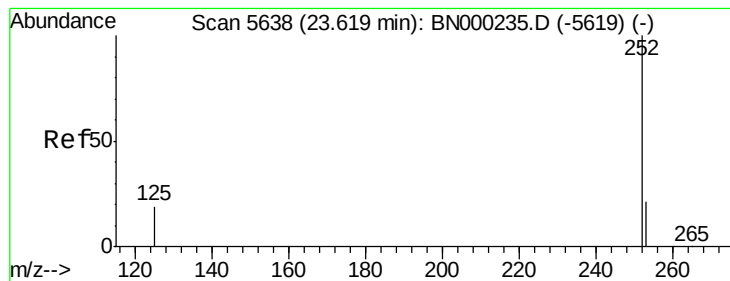
Ion Ratio Lower Upper

228 100

226 33.9 23.4 35.0

229 21.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.060 ng/ul

RT: 23.61 min Scan# 5635

Delta R.T. -0.01 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01

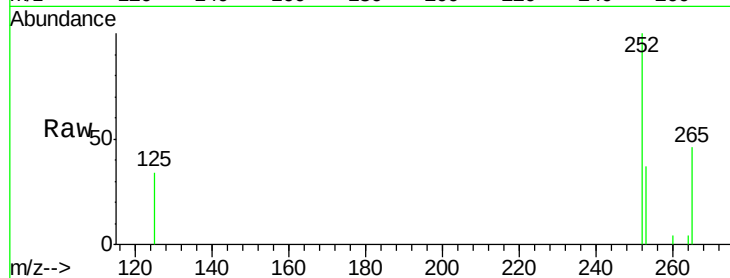
Tgt Ion:252 Resp: 2212

Ion Ratio Lower Upper

252 100

253 36.8 0.0 64.2

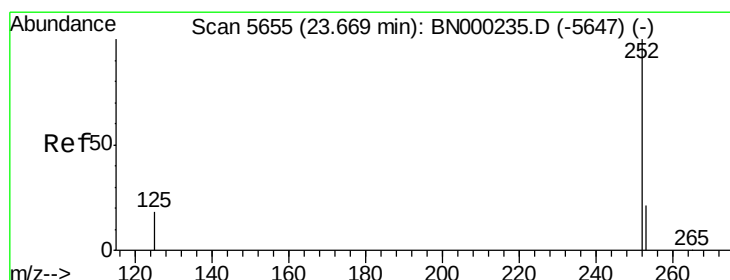
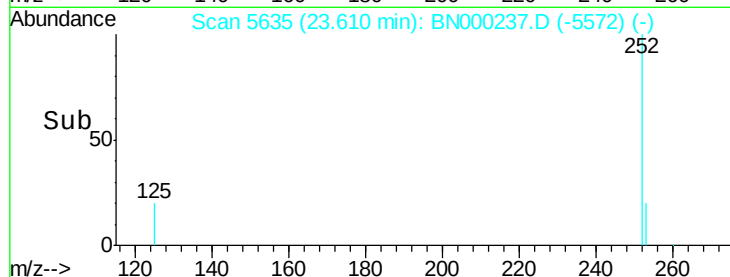
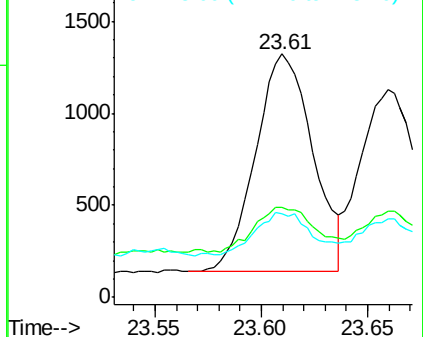
125 34.3 0.0 35.0



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: 0.058 ng/ul

RT: 23.66 min Scan# 5652

Delta R.T. -0.01 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

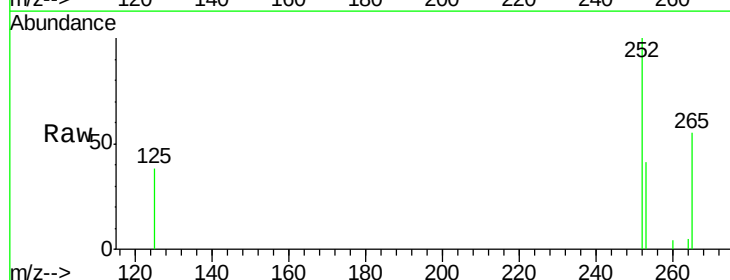
Tgt Ion:252 Resp: 2014

Ion Ratio Lower Upper

252 100

253 41.3 24.5 36.7#

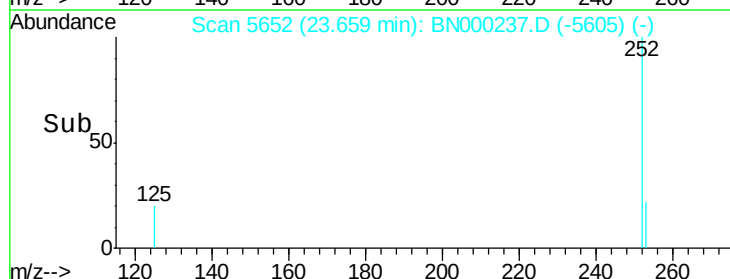
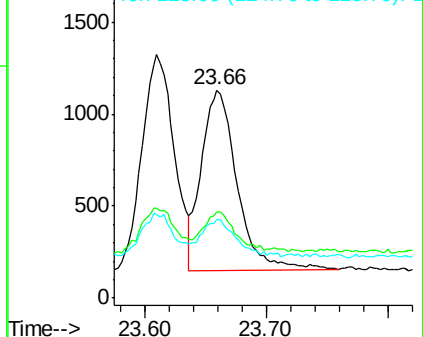
125 37.7 13.7 20.5#

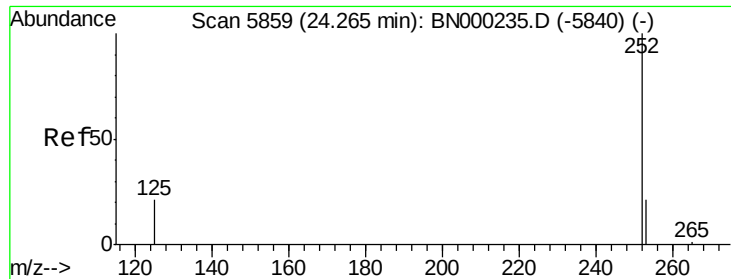


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.057 ng/ul

RT: 24.26 min Scan# 5856

Delta R.T. -0.02 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01

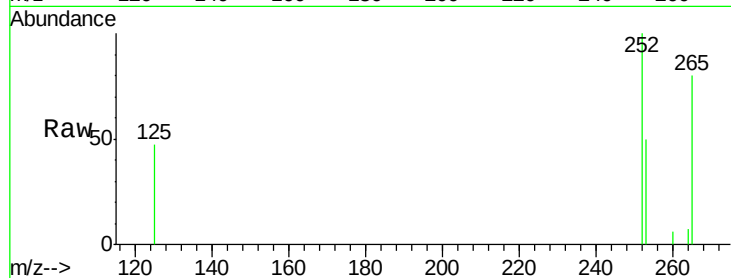
Tgt Ion:252 Resp: 1639

Ion Ratio Lower Upper

252 100

253 50.4 28.5 42.7#

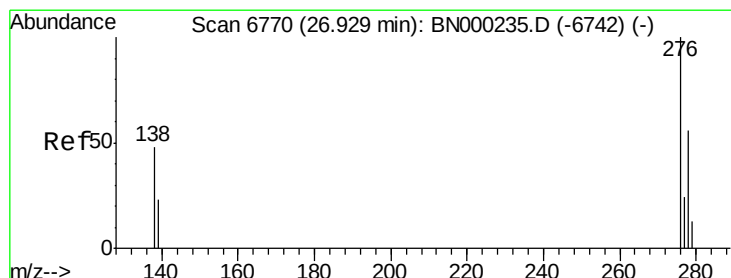
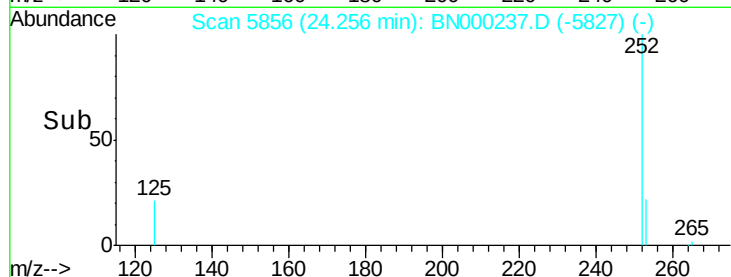
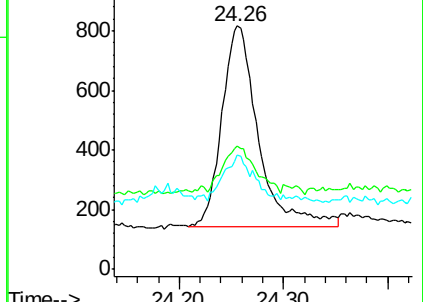
125 46.9 18.1 27.1#



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: 0.056 ng/ul

RT: 26.91 min Scan# 6765

Delta R.T. -0.02 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

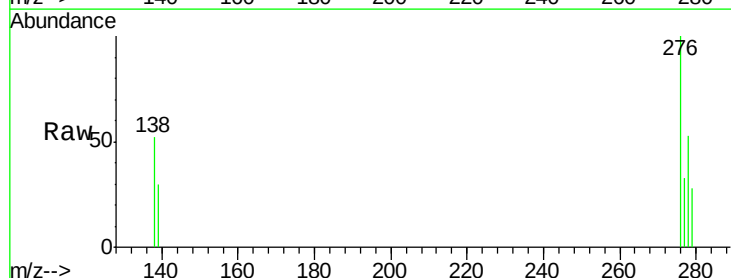
Tgt Ion:276 Resp: 1831

Ion Ratio Lower Upper

276 100

138 47.0 28.0 42.0#

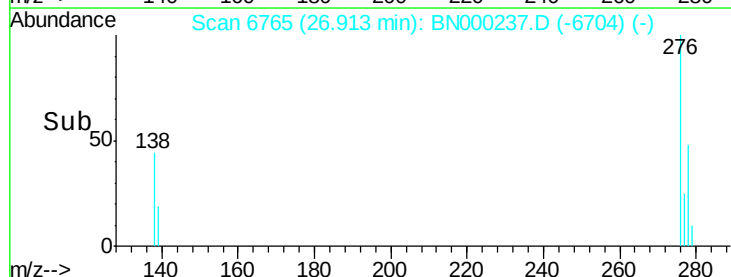
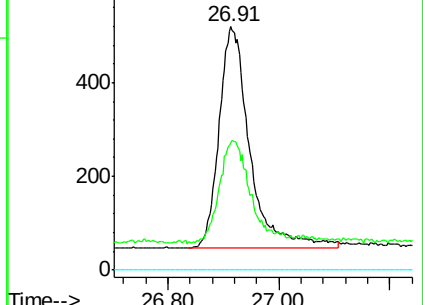
227 0.0 8.0 12.0#

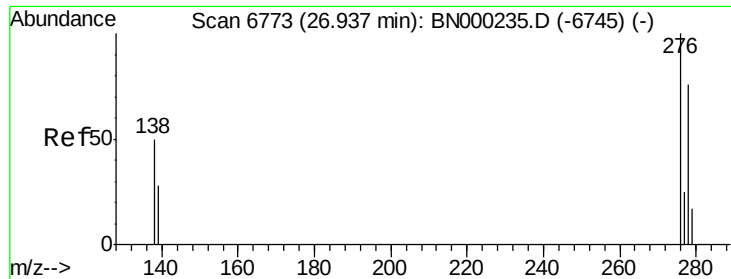


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.052 ng/ul

RT: 26.93 min Scan# 6772

Delta R.T. -0.01 min

Lab File: BN000237.D

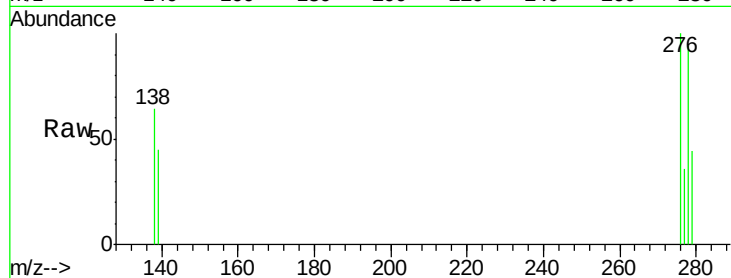
Acq: 05 Mar 2018 10:32

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-01



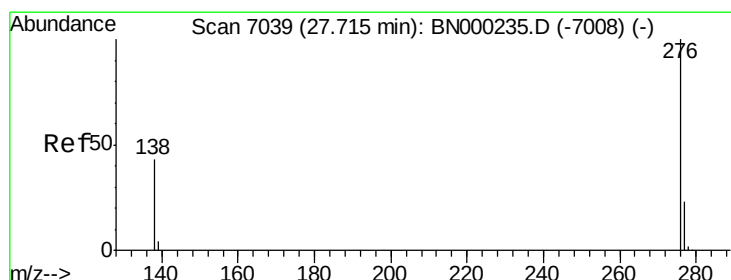
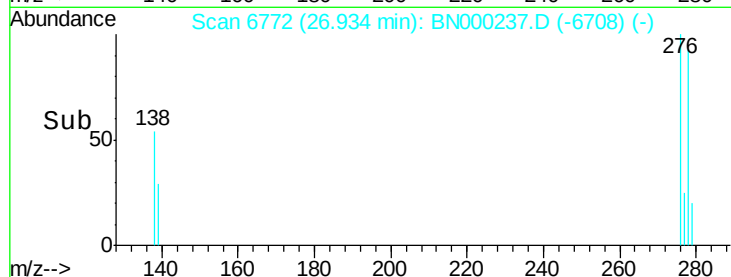
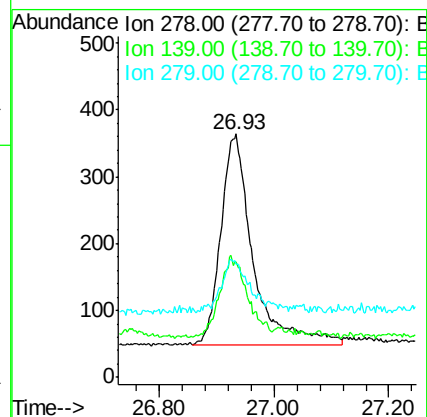
Tgt Ion: 278 Resp: 1221

Ion Ratio Lower Upper

278 100

139 47.5 17.4 26.0#

279 46.7 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.063 ng/ul

RT: 27.70 min Scan# 7035

Delta R.T. -0.02 min

Lab File: BN000237.D

Acq: 05 Mar 2018 10:32

Tgt Ion: 276 Resp: 2017

Ion Ratio Lower Upper

276 100

138 50.6 21.8 32.8#

277 30.4 20.5 30.7

