

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030518\
 Data File : BN000239.D
 Acq On : 05 Mar 2018 11:41
 Operator : JU/SJ
 Sample : MDL-SIM-W-03
 Misc : 0.07 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SIM-W-03

Quant Time: Mar 05 14:39:37 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 14:32:42 2018
 Response via : Initial Calibration

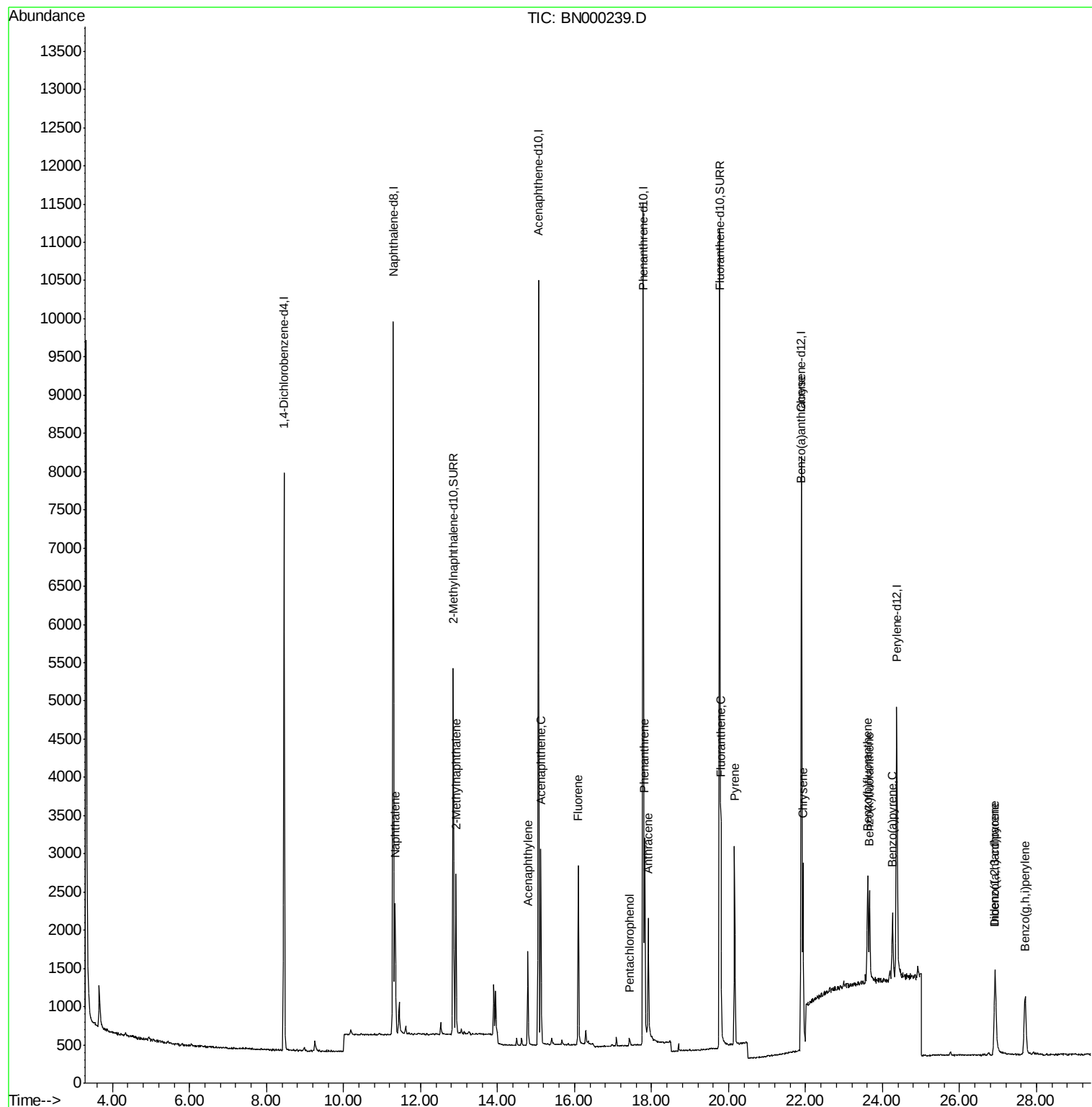
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	3899	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	12772	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	5431	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.78	188	12251	0.40	ng/ul	0.00
16) Chrysene-d12	21.89	240	6769	0.40	ng/ul	0.00
20) Perylene-d12	24.37	264	5551	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.85	152	6259	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.77	212	10634	0.37	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	11.34	128	2412	0.059	ng/ul#	91
5) 2-Methylnaphthalene	12.92	142	1491	0.057	ng/ul	99
7) Acenaphthylene	14.79	152	1522	0.056	ng/ul	95
8) Acenaphthene	15.12	153	1479	0.057	ng/ul	95
9) Fluorene	16.10	166	1552	0.055	ng/ul	92
11) Pentachlorophenol	17.43	266	91	0.037	ng/ul	92
12) Phenanthrene	17.82	178	2857	0.057	ng/ul#	88
13) Anthracene	17.91	178	1967	0.053	ng/ul#	91
15) Fluoranthene	19.80	202	2669	0.055	ng/ul	62
17) Pyrene	20.15	202	2588	0.065	ng/ul#	55
18) Benzo(a)anthracene	21.88	228	1487	0.056	ng/ul#	85
19) Chrysene	21.93	228	2431	0.067	ng/ul	95
21) Benzo(b)fluoranthene	23.61	252	1937	0.058	ng/ul#	77
22) Benzo(k)fluoranthene	23.66	252	1759	0.056	ng/ul#	67
23) Benzo(a)pyrene	24.26	252	1478	0.057	ng/ul#	61
24) Indeno(1,2,3-cd)pyrene	26.92	276	1552	0.053	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.93	278	1044	0.049	ng/ul#	59
26) Benzo(g,h,i)perylene	27.71	276	1660	0.057	ng/ul#	71

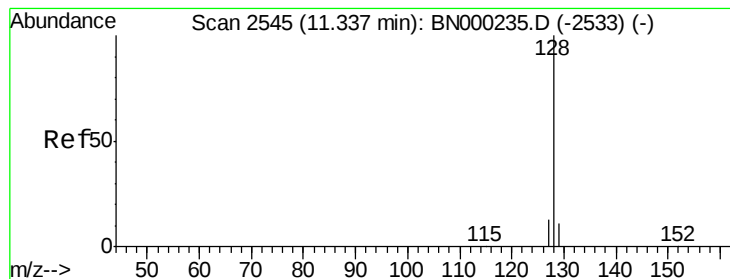
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.059 ng/ul

RT: 11.34 min Scan# 2546

Delta R.T. 0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-03

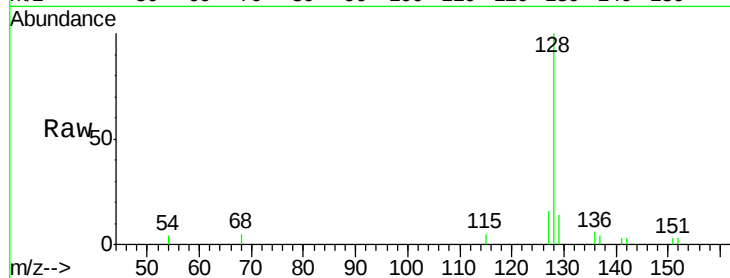
Tgt Ion:128 Resp: 2412

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

127 16.1 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

11.34

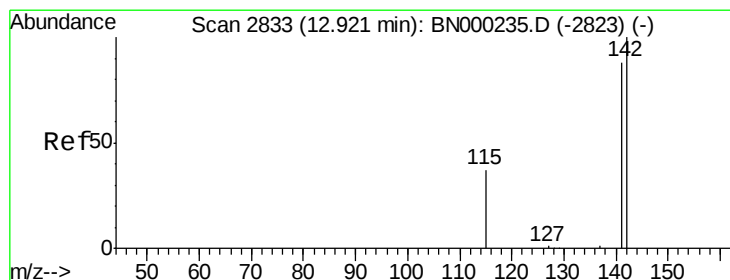
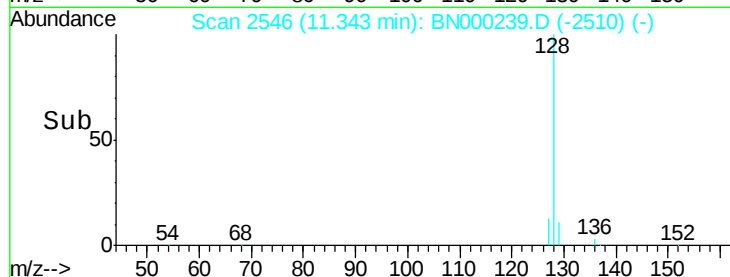
1500

1000

500

0

Time--> 11.20 11.30 11.40



#5

2-Methylnaphthalene

Concen: 0.057 ng/ul

RT: 12.92 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BN000239.D

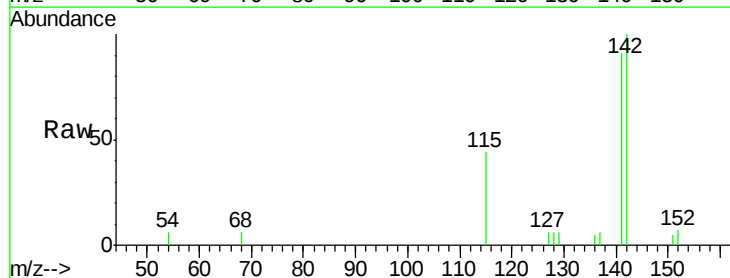
Acq: 05 Mar 2018 11:41

Tgt Ion:142 Resp: 1491

Ion Ratio Lower Upper

142 100

141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.92

1000

800

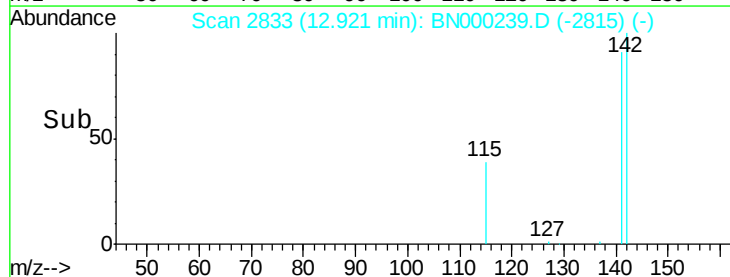
600

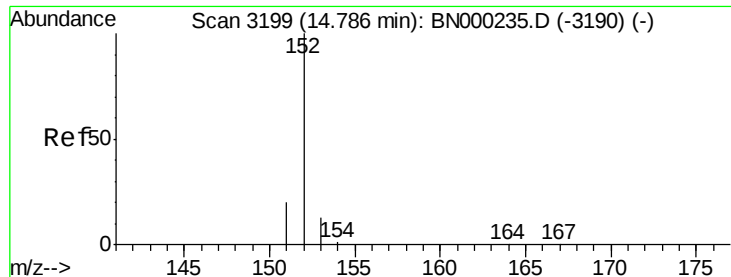
400

200

0

Time--> 12.90 13.00





#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 14.79 min Scan# 3199

Delta R.T. -0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-03

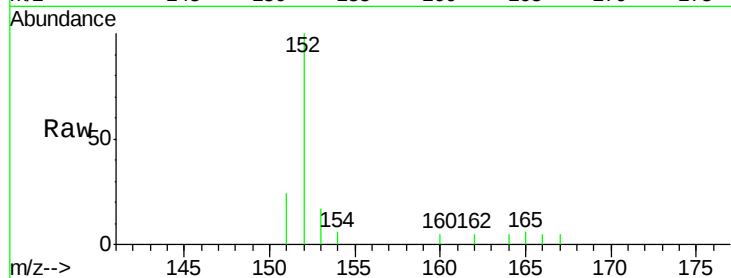
Tgt Ion:152 Resp: 1522

Ion Ratio Lower Upper

152 100

151 24.1 17.1 25.7

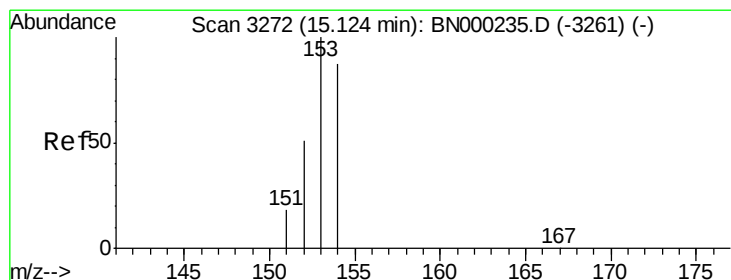
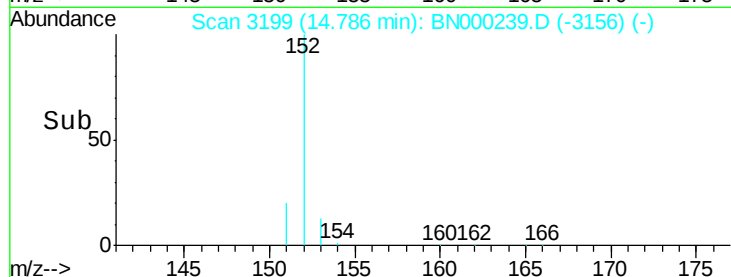
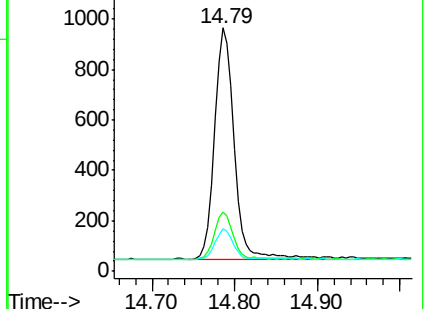
153 17.3 12.8 19.2



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: 0.057 ng/ul

RT: 15.12 min Scan# 3272

Delta R.T. 0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

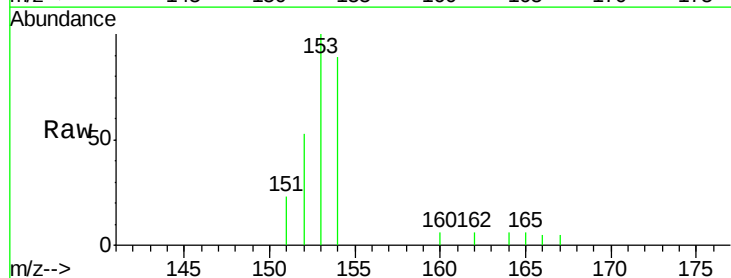
Tgt Ion:153 Resp: 1479

Ion Ratio Lower Upper

153 100

152 53.3 36.0 54.0

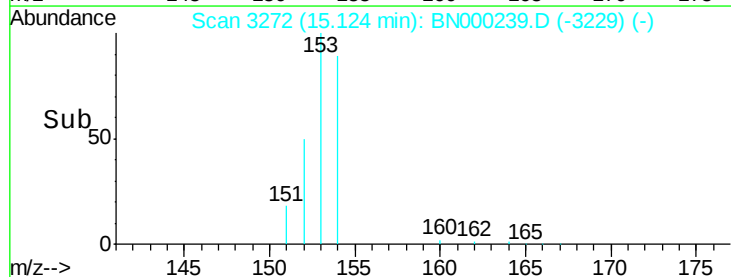
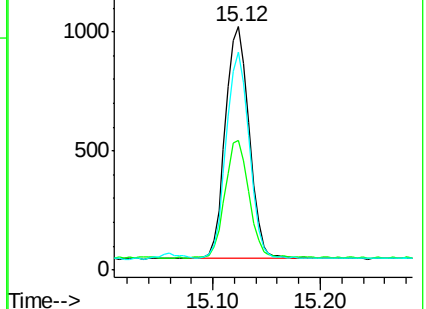
154 89.3 72.0 108.0

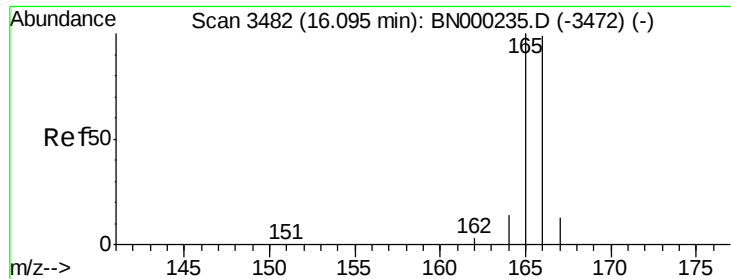


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.055 ng/ul

RT: 16.10 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-03

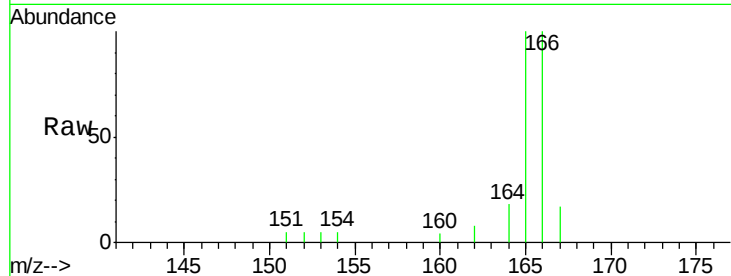
Tgt Ion:166 Resp: 1552

Ion Ratio Lower Upper

166 100

165 100.2 73.4 110.2

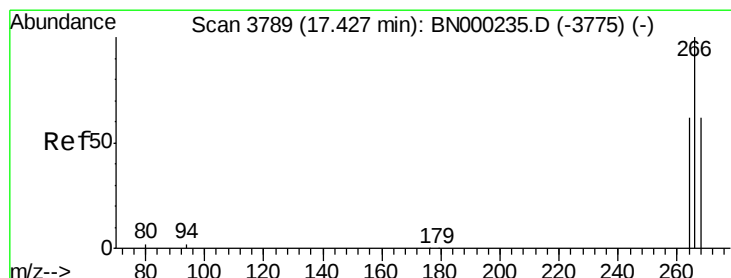
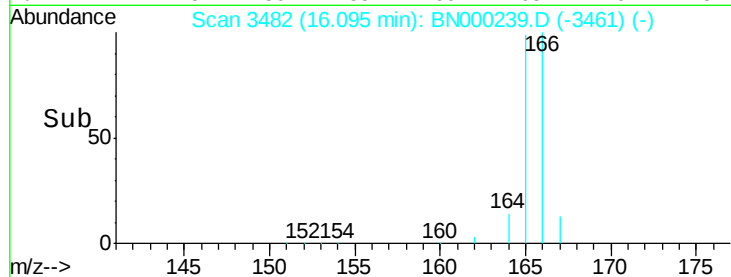
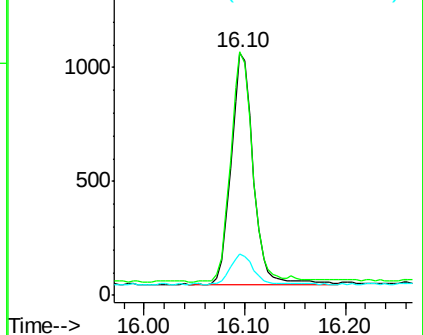
167 17.1 14.6 22.0



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: 0.037 ng/ul

RT: 17.43 min Scan# 3789

Delta R.T. 0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

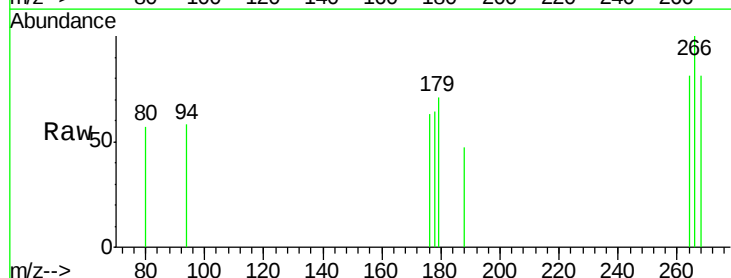
Tgt Ion:266 Resp: 91

Ion Ratio Lower Upper

266 100

264 65.9 47.9 71.9

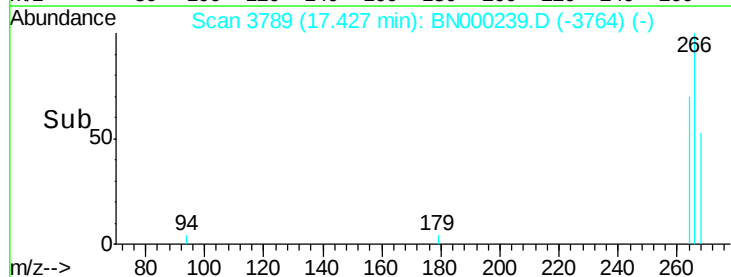
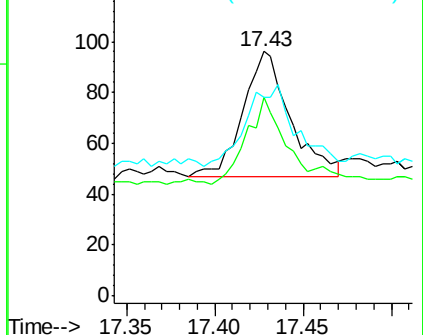
268 68.1 49.8 74.8

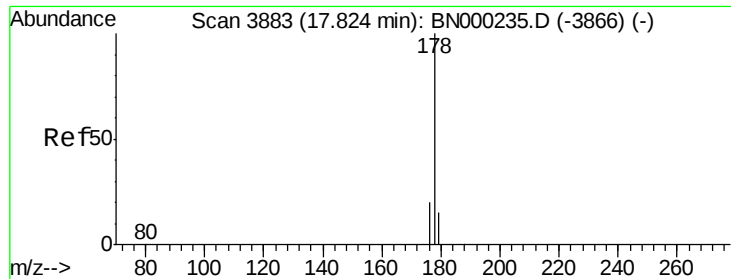


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.057 ng/ul

RT: 17.82 min Scan# 3882

Delta R.T. -0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-03

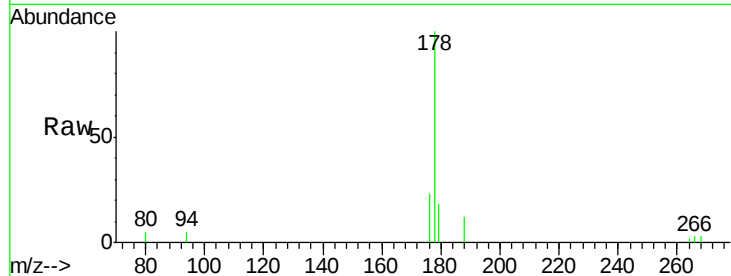
Tgt Ion:178 Resp: 2857

Ion Ratio Lower Upper

178 100

179 18.0 18.4 27.6#

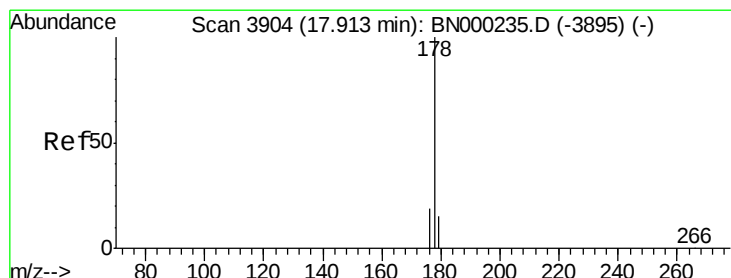
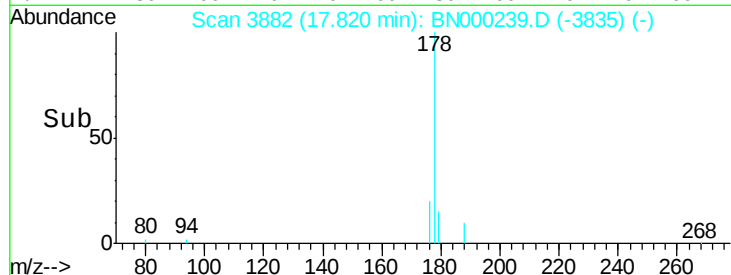
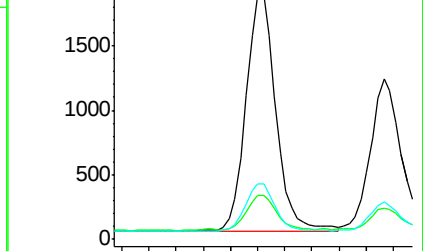
176 22.9 13.6 20.4#



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: 0.053 ng/ul

RT: 17.91 min Scan# 3904

Delta R.T. 0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

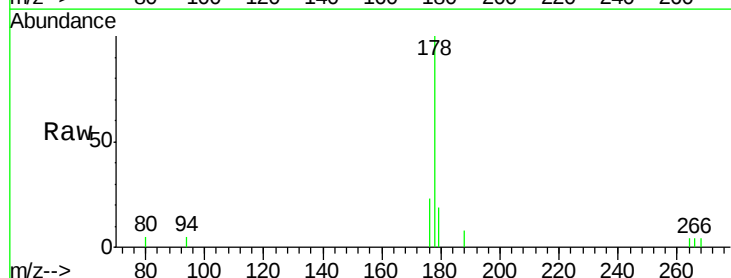
Tgt Ion:178 Resp: 1967

Ion Ratio Lower Upper

178 100

179 19.2 18.1 27.1

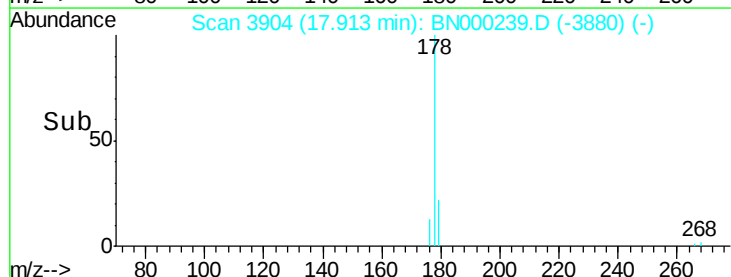
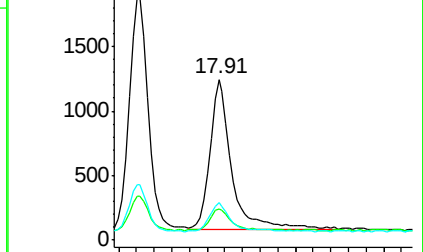
176 23.4 14.7 22.1#

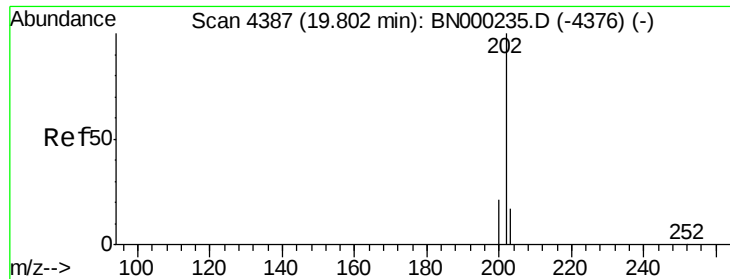


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.055 ng/ul

RT: 19.80 min Scan# 4386

Delta R.T. -0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-03

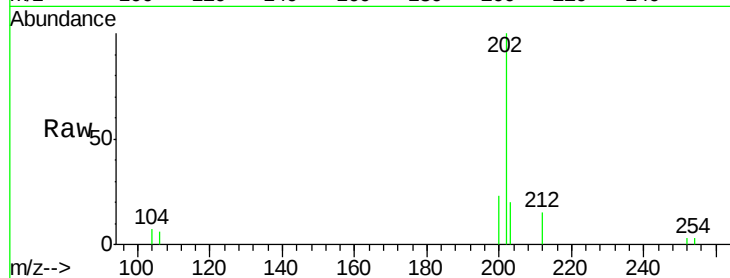
Tgt Ion:202 Resp: 2669

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.3

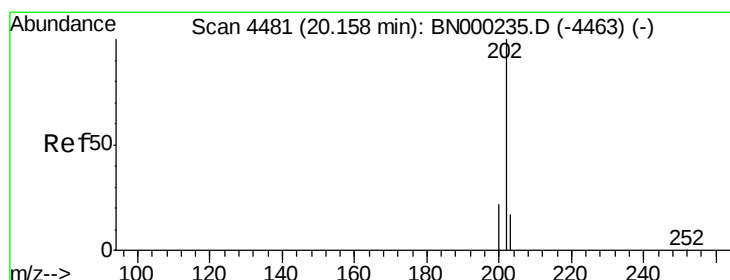
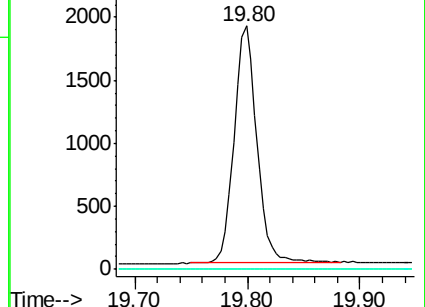
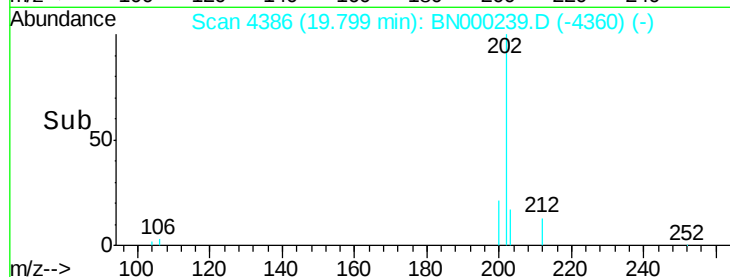
100 0.0 0.0 39.5



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: 20.15 min Scan# 4480

Delta R.T. -0.00 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

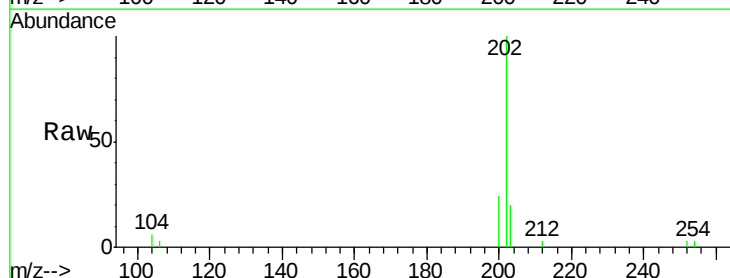
Tgt Ion:202 Resp: 2588

Ion Ratio Lower Upper

202 100

101 0.0 18.2 27.4#

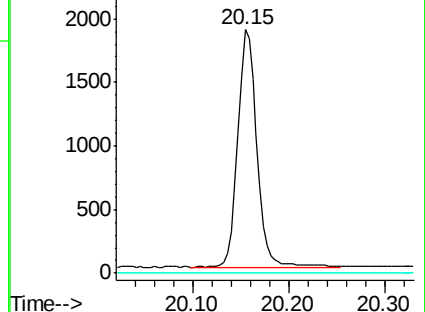
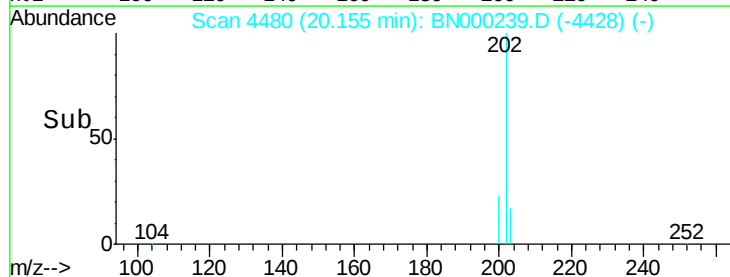
100 0.0 15.6 23.4#

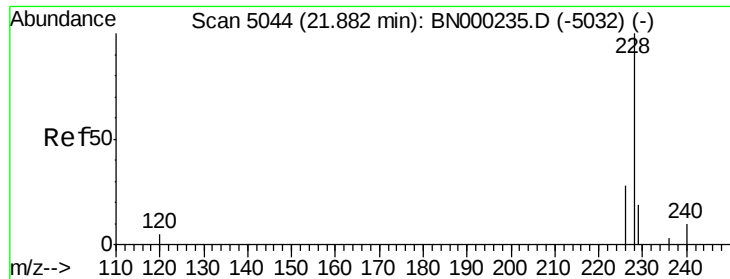


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.056 ng/ul

RT: 21.88 min Scan# 5043

Delta R.T. -0.01 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-03

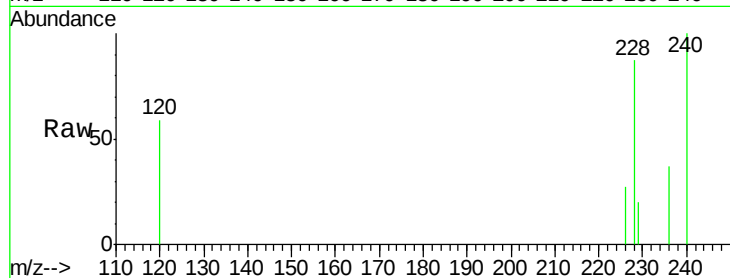
Tgt Ion:228 Resp: 1487

Ion Ratio Lower Upper

228 100

229 22.8 22.8 34.2#

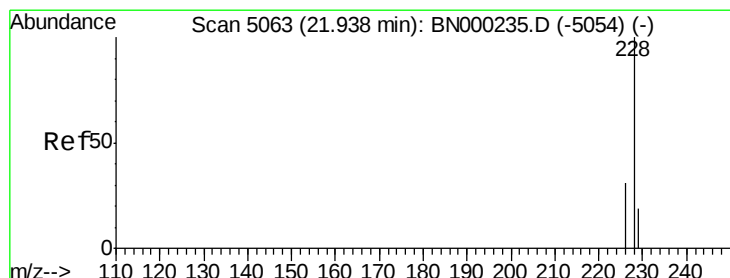
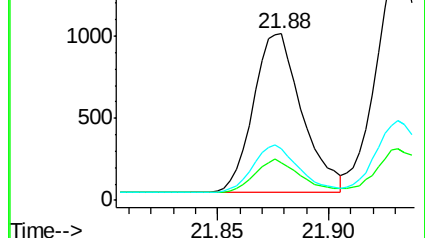
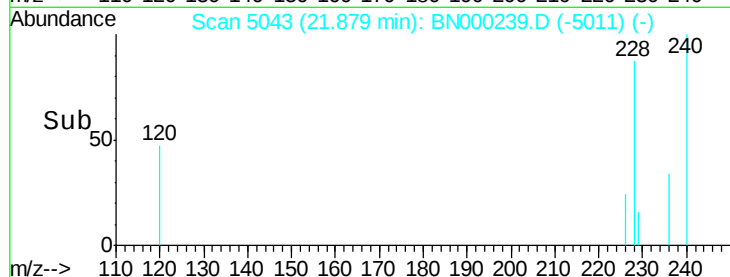
226 30.6 17.0 25.6#



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: 0.067 ng/ul

RT: 21.93 min Scan# 5061

Delta R.T. -0.01 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

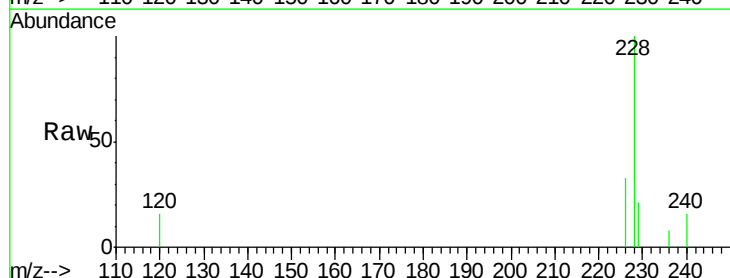
Tgt Ion:228 Resp: 2431

Ion Ratio Lower Upper

228 100

226 32.8 23.4 35.0

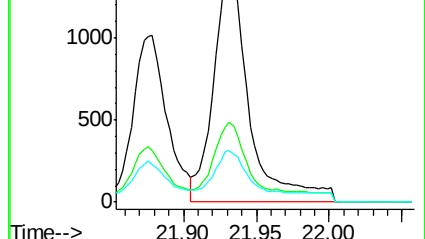
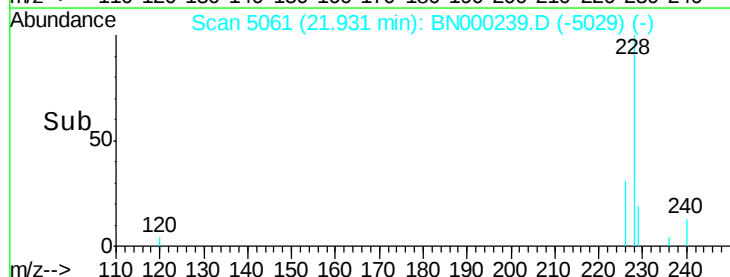
229 21.3 17.7 26.5

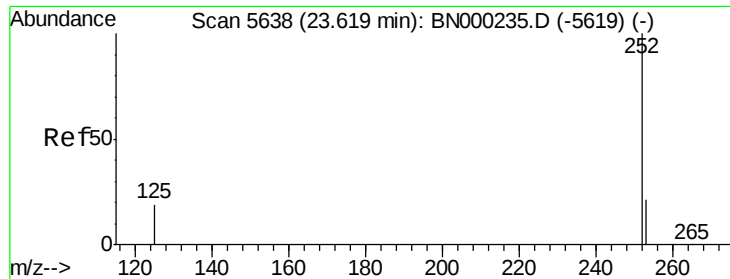


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.058 ng/ul

RT: 23.61 min Scan# 5636

Delta R.T. -0.01 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

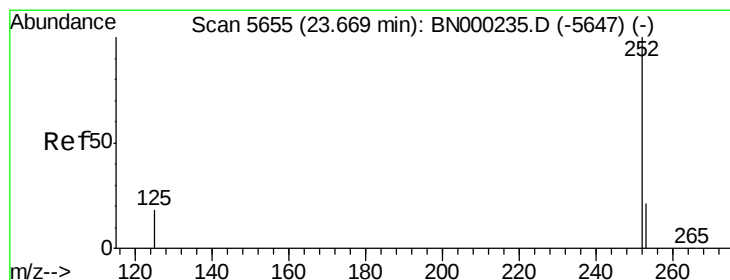
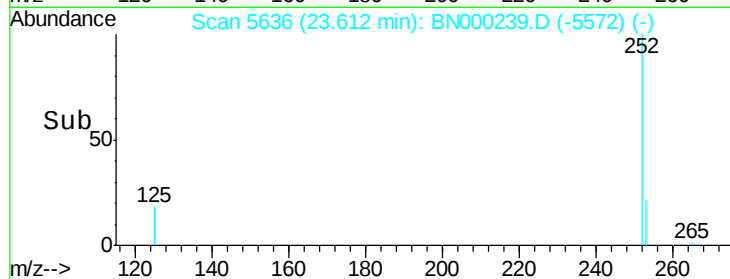
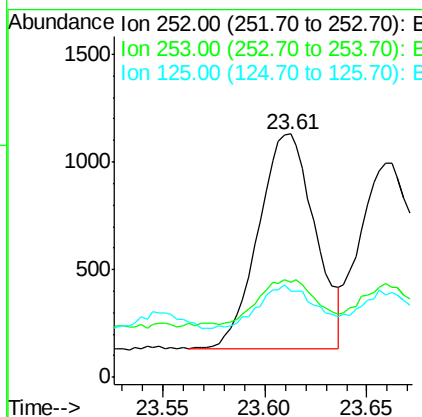
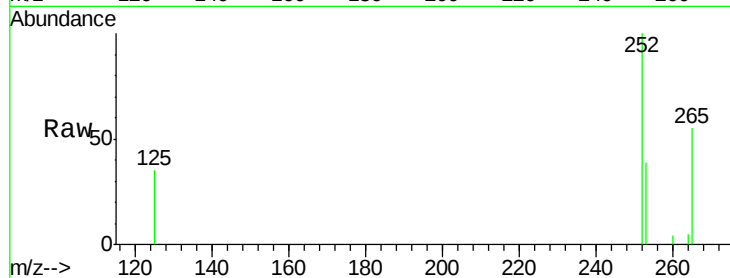
Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-03

Tgt Ion:	252	Resp:	1937
Ion	Ratio	Lower	Upper
252	100		
253	39.3	0.0	64.2
125	35.5	0.0	35.0#



#22

Benzo(k)fluoranthene

Concen: 0.056 ng/ul

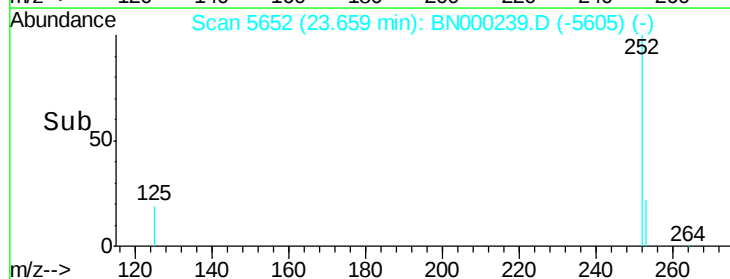
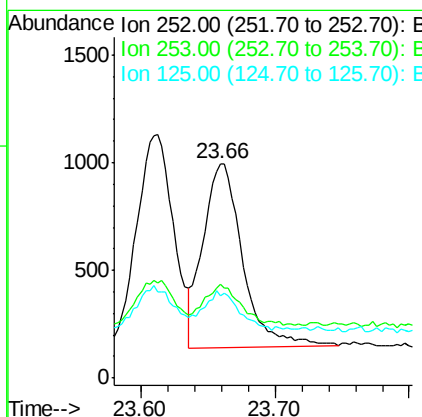
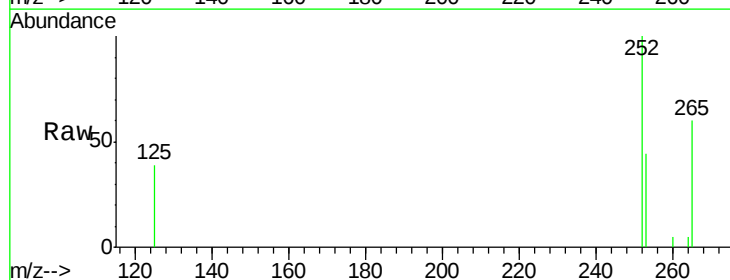
RT: 23.66 min Scan# 5652

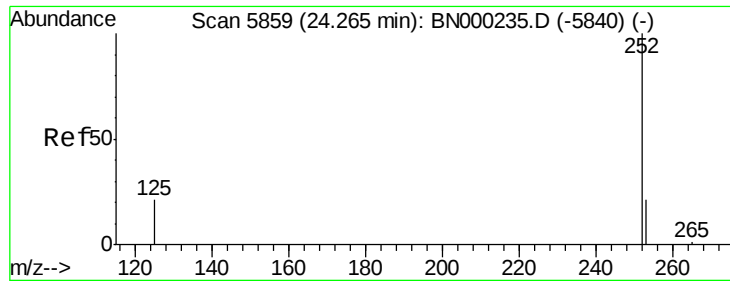
Delta R.T. -0.01 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

Tgt Ion:	252	Resp:	1759
Ion	Ratio	Lower	Upper
252	100		
253	43.7	24.5	36.7#
125	38.7	13.7	20.5#





#23

Benzo(a)pyrene

Concen: 0.057 ng/u1

RT: 24.26 min Scan# 5856

Delta R.T. -0.02 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-03

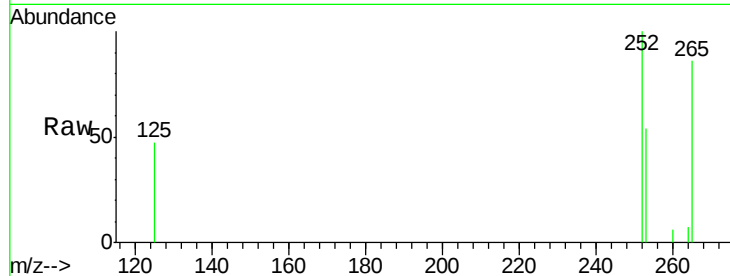
Tgt Ion:252 Resp: 1478

Ion Ratio Lower Upper

252 100

253 54.0 28.5 42.7#

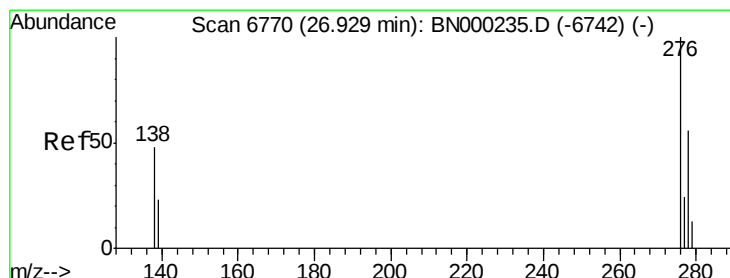
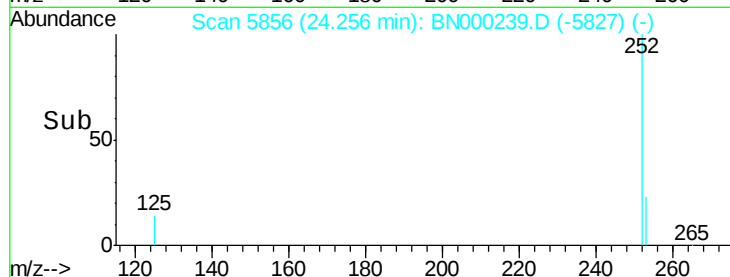
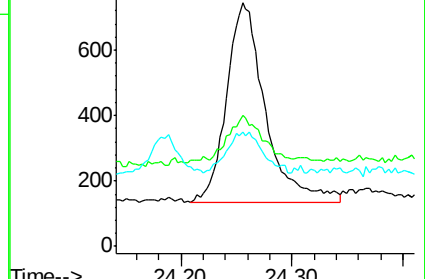
125 47.2 18.1 27.1#



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: 0.053 ng/u1

RT: 26.92 min Scan# 6767

Delta R.T. -0.02 min

Lab File: BN000239.D

Acq: 05 Mar 2018 11:41

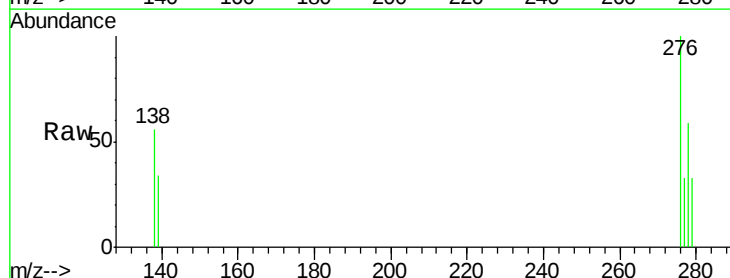
Tgt Ion:276 Resp: 1552

Ion Ratio Lower Upper

276 100

138 47.8 28.0 42.0#

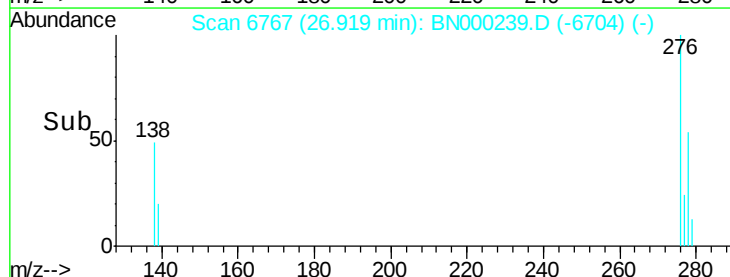
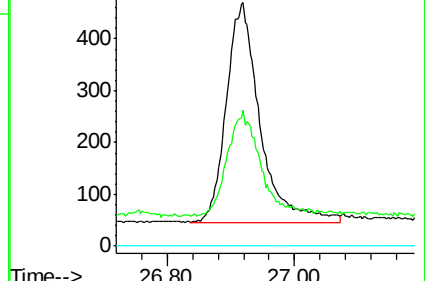
227 0.0 8.0 12.0#

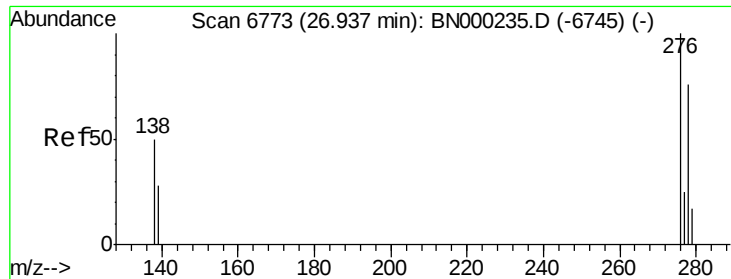


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

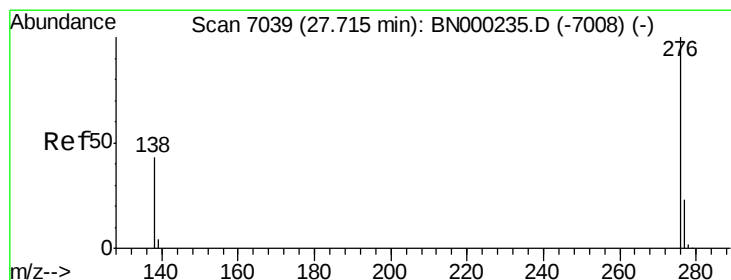
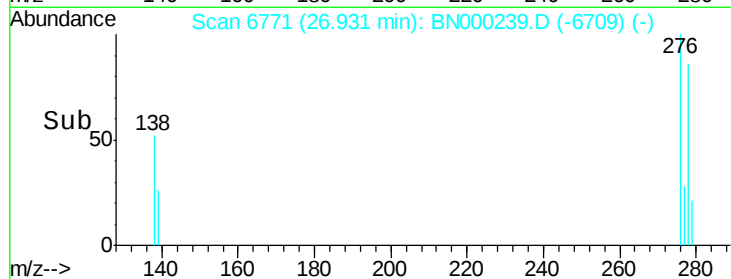
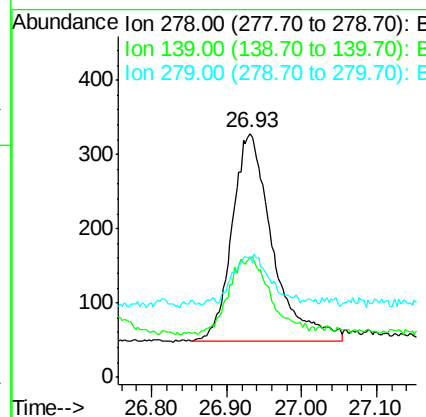
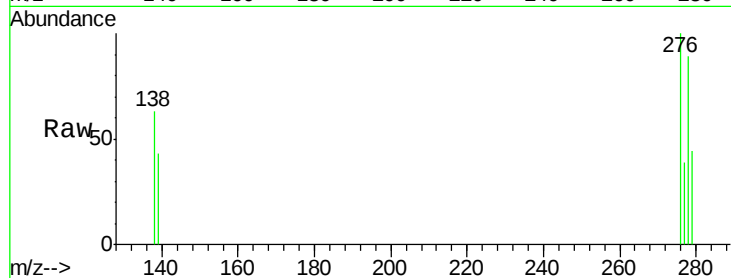




#25
Dibenzo(a,h)anthracene
Concen: 0.049 ng/ul
RT: 26.93 min Scan# 6771
Delta R.T. -0.02 min
Lab File: BN000239.D
Acq: 05 Mar 2018 11:41

Instrument :
BNA_N
ClientSampleId :
MDL-SIM-W-03

Tgt Ion: 278 Resp: 1044
Ion Ratio Lower Upper
278 100
139 48.8 17.4 26.0#
279 49.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.057 ng/ul
RT: 27.71 min Scan# 7036
Delta R.T. -0.02 min
Lab File: BN000239.D
Acq: 05 Mar 2018 11:41

Tgt Ion: 276 Resp: 1660
Ion Ratio Lower Upper
276 100
138 50.6 21.8 32.8#
277 31.5 20.5 30.7#

