

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030518\
 Data File : BN000249.D
 Acq On : 05 Mar 2018 17:26
 Operator : JU/SJ
 Sample : MDL-SIM-S-04
 Misc : 0.07 PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SIM-S-04

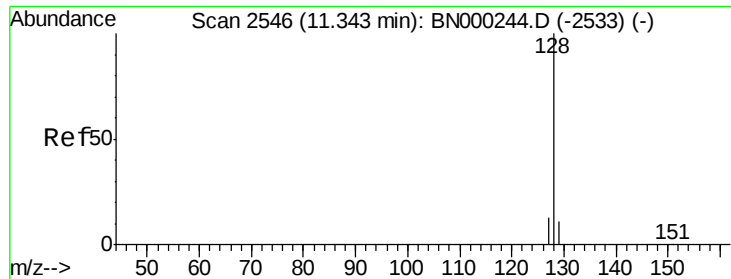
Quant Time: Mar 05 18:17:29 2018
 Quant Method : Z:\HPCHEM1\BNA_N\Methods\SOM-EPA-SIM-BN030218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 15:16:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	4317	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	13949	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	5882	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.78	188	13046	0.40	ng/ul	0.00
16) Chrysene-d12	21.89	240	7133	0.40	ng/ul	0.00
20) Perylene-d12	24.37	264	5781	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.84	152	6969	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.77	212	11406	0.38	ng/ul	0.00

Target Compounds					Qvalue	
3) Naphthalene	11.34	128	2900	0.065	ng/ul#	91
5) 2-Methylnaphthalene	12.92	142	1768	0.062	ng/ul	100
7) Acenaphthylene	14.79	152	1808	0.062	ng/ul	96
8) Acenaphthene	15.12	153	1768	0.063	ng/ul	95
9) Fluorene	16.10	166	1805	0.059	ng/ul	88
11) Pentachlorophenol	17.42	266	122	0.047	ng/ul	90
12) Phenanthrene	17.82	178	3266	0.061	ng/ul#	89
13) Anthracene	17.91	178	2236	0.057	ng/ul	92
15) Fluoranthene	19.80	202	3150	0.061	ng/ul	62
17) Pyrene	20.16	202	2951	0.070	ng/ul#	55
18) Benzo(a)anthracene	21.88	228	1739	0.062	ng/ul#	85
19) Chrysene	21.93	228	2730	0.072	ng/ul	96
21) Benzo(b)fluoranthene	23.61	252	2180	0.063	ng/ul	80
22) Benzo(k)fluoranthene	23.66	252	2035	0.062	ng/ul#	74
23) Benzo(a)pyrene	24.26	252	1643	0.060	ng/ul#	70
24) Indeno(1,2,3-cd)pyrene	26.91	276	1784	0.058	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.92	278	1217	0.055	ng/ul#	66
26) Benzo(g,h,i)perylene	27.70	276	1909	0.063	ng/ul#	72

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



#3

Naphthalene

Concen: 0.065 ng/ul

RT: 11.34 min Scan# 2546

Delta R.T. 0.00 min

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MDL-SIM-S-04

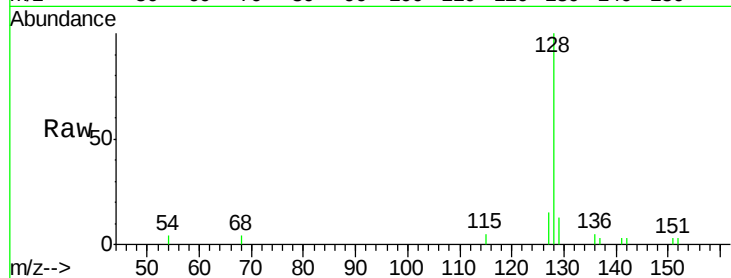
Tgt Ion:128 Resp: 2900

Ion Ratio Lower Upper

128 100

129 13.4 11.3 16.9

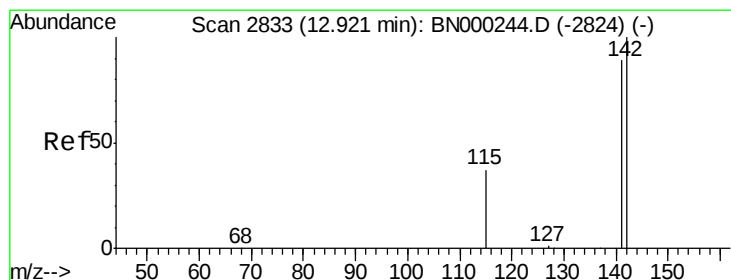
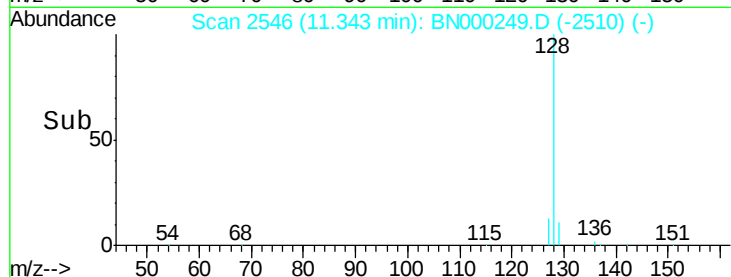
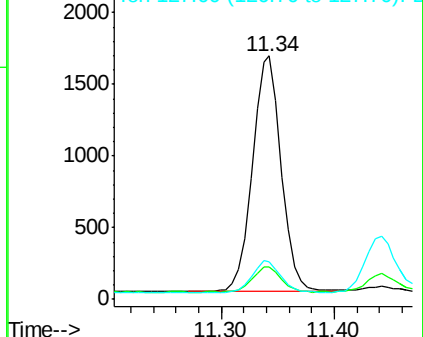
127 15.4 4.0 6.0#



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: 0.062 ng/ul

RT: 12.92 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BN000249.D

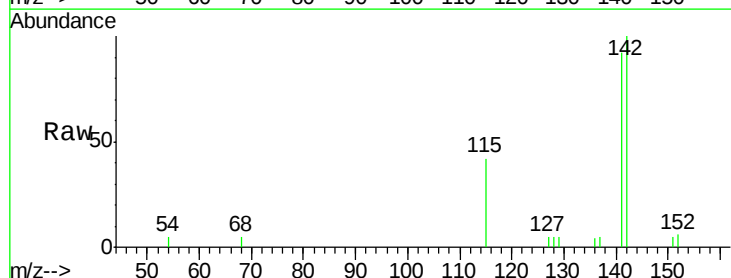
Acq: 05 Mar 2018 17:26

Tgt Ion:142 Resp: 1768

Ion Ratio Lower Upper

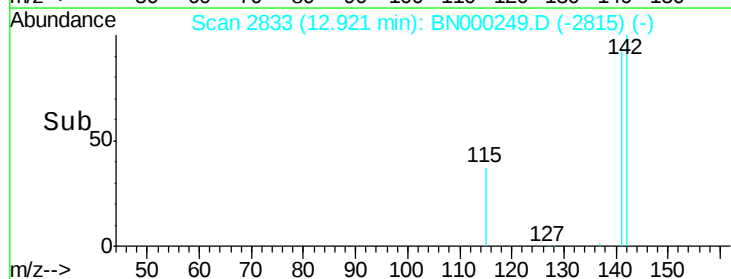
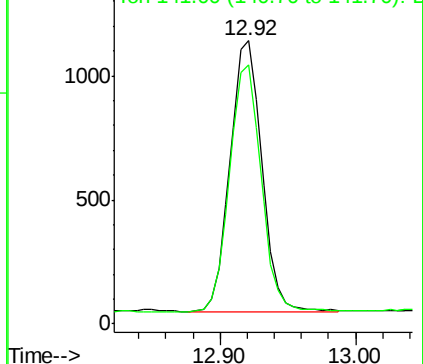
142 100

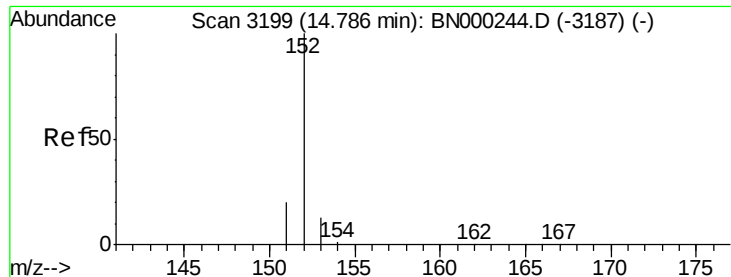
141 90.8 72.6 108.8



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: BN000249.D

Acq: 05 Mar 2018 17:26

Instrument :

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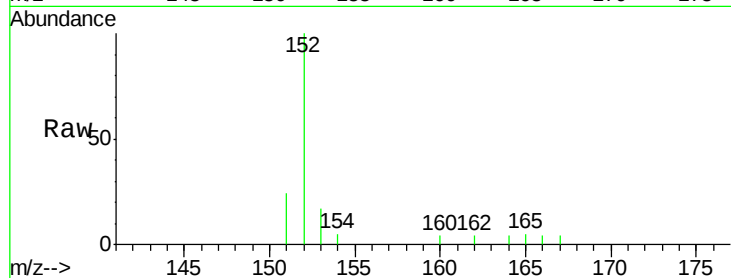
Tgt Ion:152 Resp: 1808

Ion Ratio Lower Upper

152 100

151 23.9 17.1 25.7

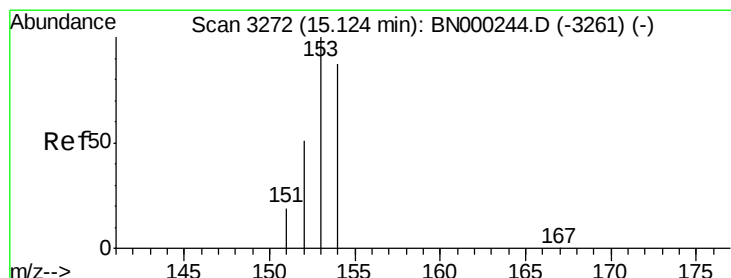
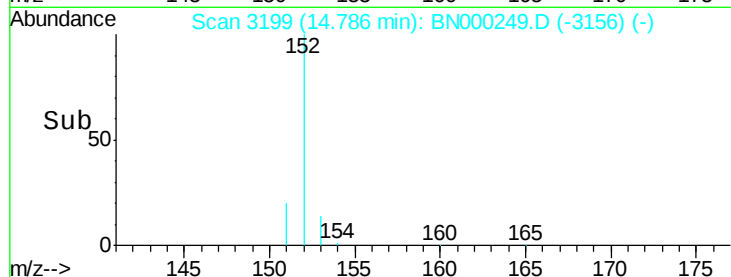
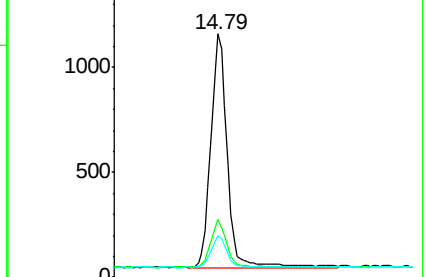
153 17.1 12.8 19.2



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: 0.063 ng/ul

RT: 15.12 min Scan# 3272

Delta R.T. 0.00 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

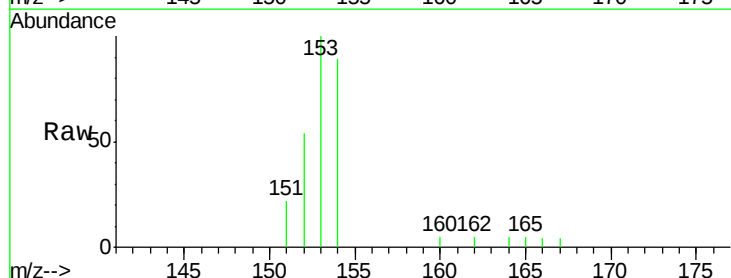
Tgt Ion:153 Resp: 1768

Ion Ratio Lower Upper

153 100

152 53.8 36.0 54.0

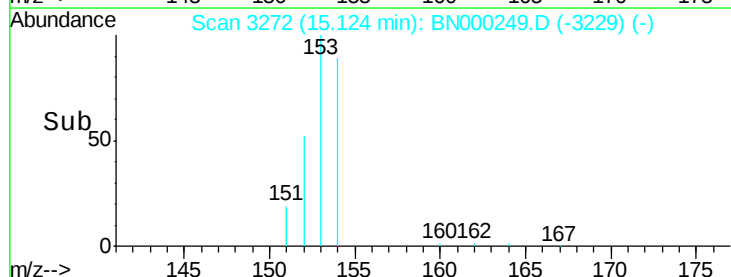
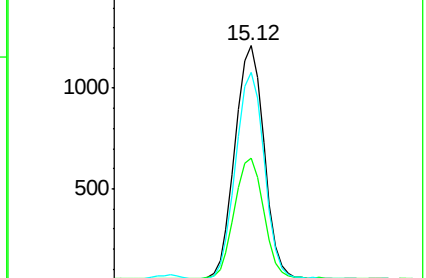
154 88.9 72.0 108.0

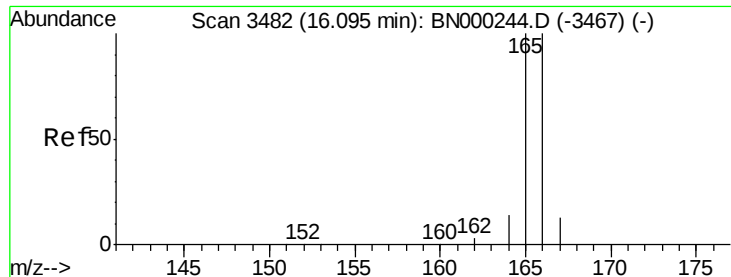


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.059 ng/ul

RT: 16.10 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

Instrument :

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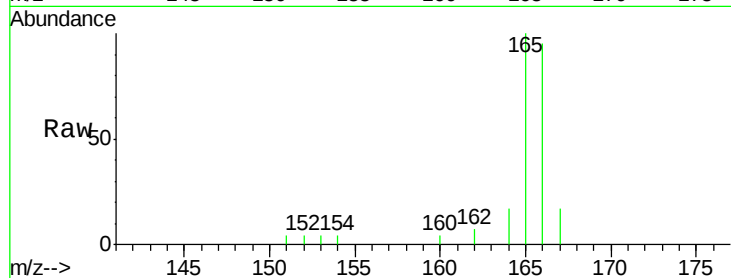
Tgt Ion:166 Resp: 1805

Ion Ratio Lower Upper

166 100

165 105.1 73.4 110.2

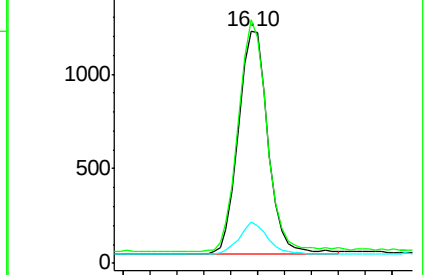
167 17.6 14.6 22.0



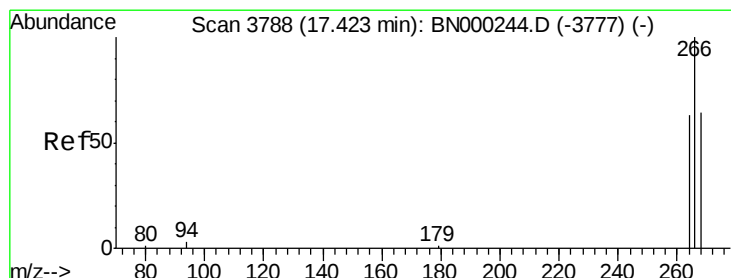
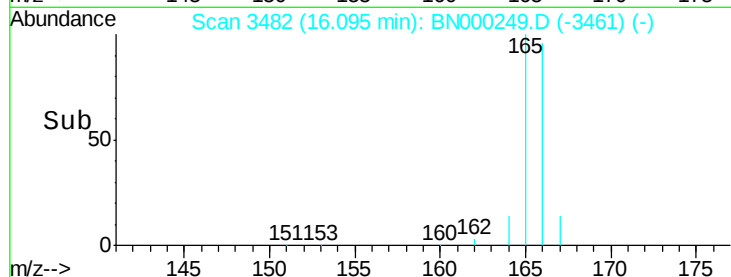
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 16.00 16.10



#11

Pentachlorophenol

Concen: 0.047 ng/ul

RT: 17.42 min Scan# 3788

Delta R.T. -0.00 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

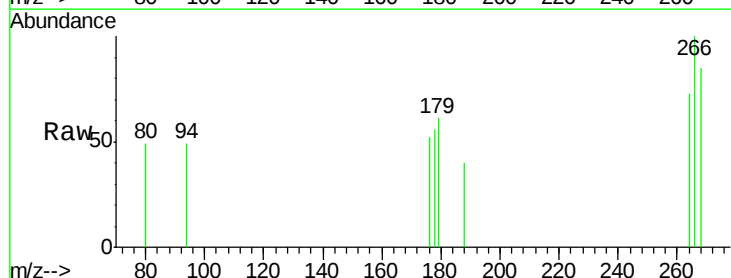
Tgt Ion:266 Resp: 122

Ion Ratio Lower Upper

266 100

264 64.8 47.9 71.9

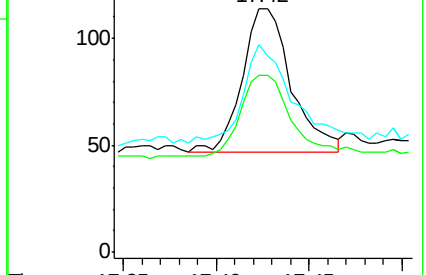
268 72.1 49.8 74.8



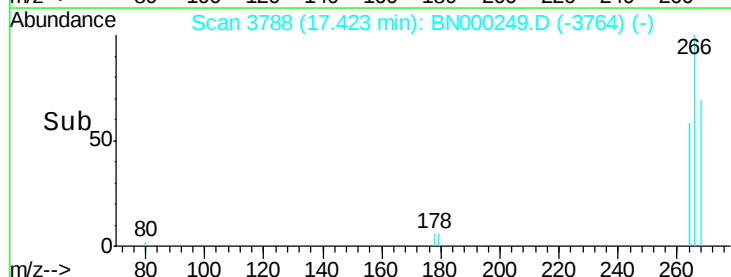
Abundance Ion 266.00 (265.70 to 266.70): E

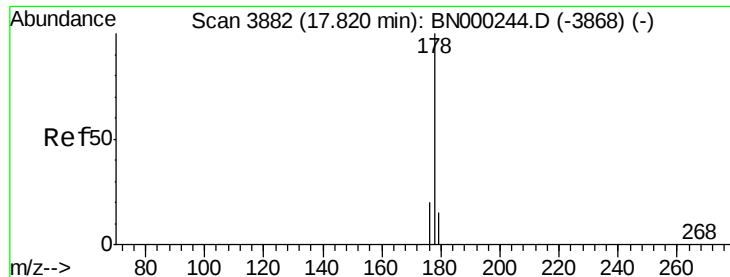
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time--> 17.35 17.40 17.45





#12

Phenanthrene

Concen: 0.061 ng/ul

RT: 17.82 min Scan# 3882

Delta R.T. -0.00 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-04

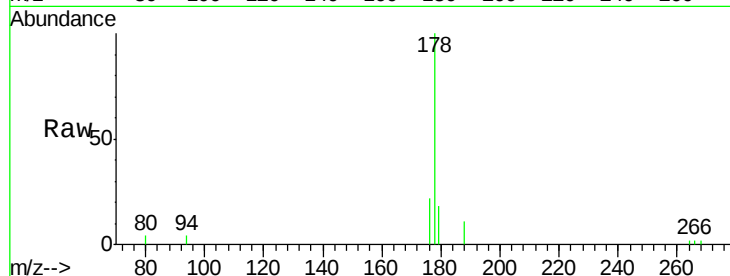
Tgt Ion:178 Resp: 3266

Ion Ratio Lower Upper

178 100

179 17.8 18.4 27.6#

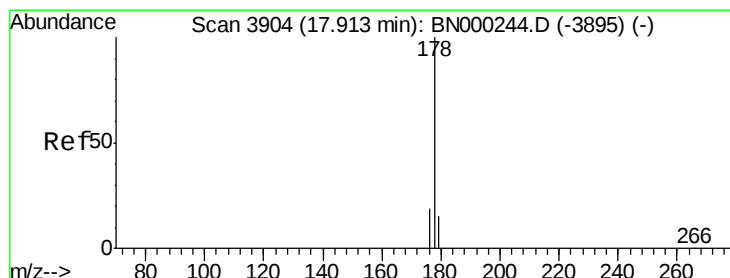
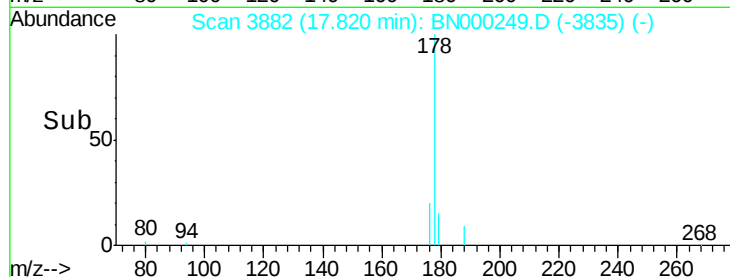
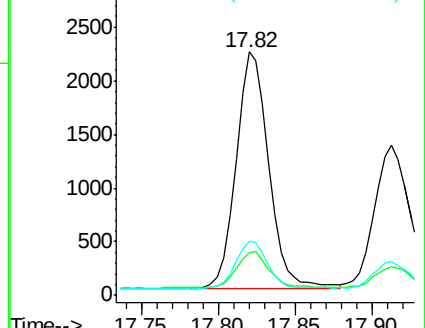
176 22.2 13.6 20.4#



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: 0.057 ng/ul

RT: 17.91 min Scan# 3904

Delta R.T. 0.00 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

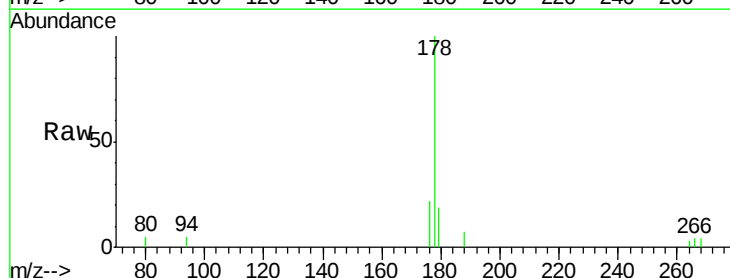
Tgt Ion:178 Resp: 2236

Ion Ratio Lower Upper

178 100

179 18.6 18.1 27.1

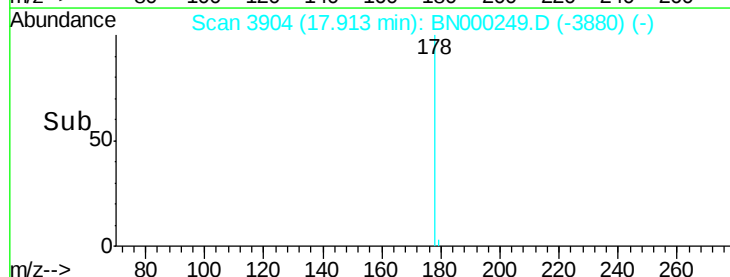
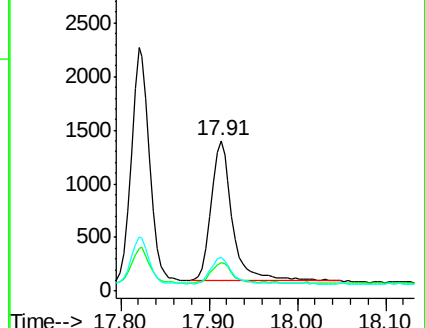
176 22.0 14.7 22.1

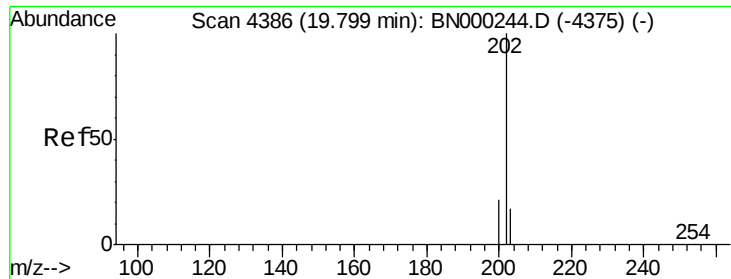


Abundance Ion 178.00 (177.70 to 178.70): E

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# 4386

Delta R.T. -0.00 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

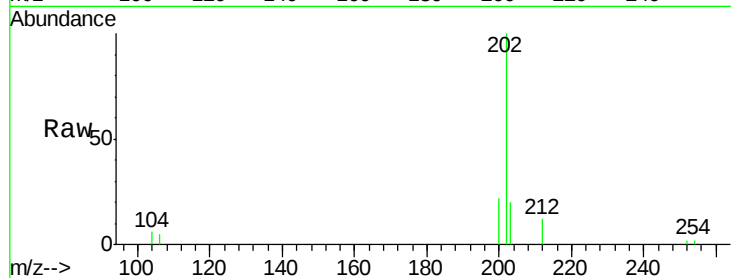
Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-04

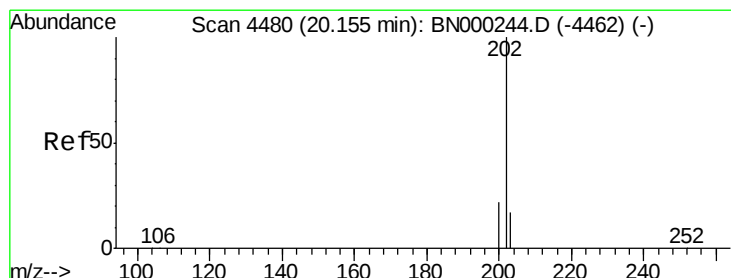
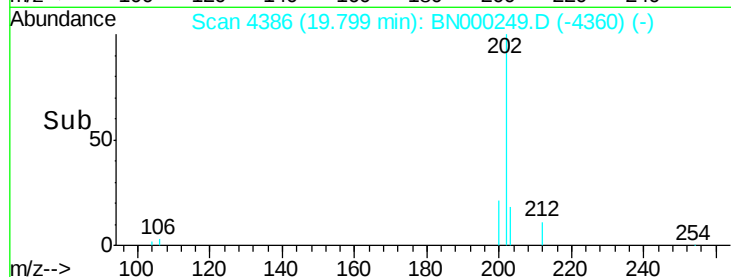
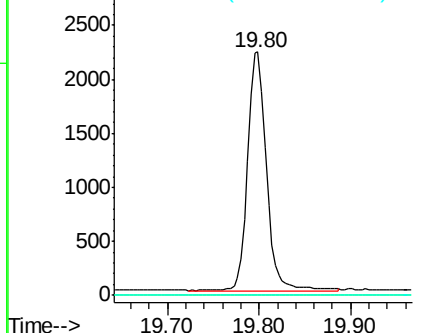
Tgt Ion:	202	Resp:	3150
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	30.3
100	0.0	0.0	39.5



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: 0.070 ng/ul

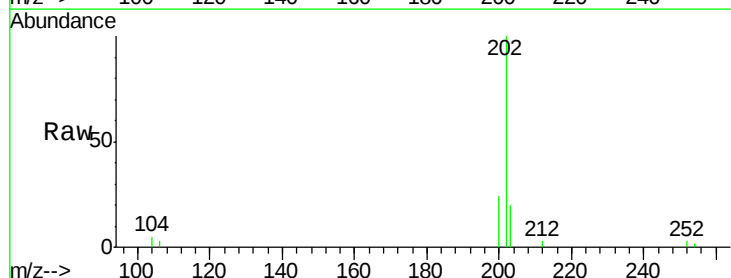
RT: 20.16 min Scan# 4481

Delta R.T. -0.00 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

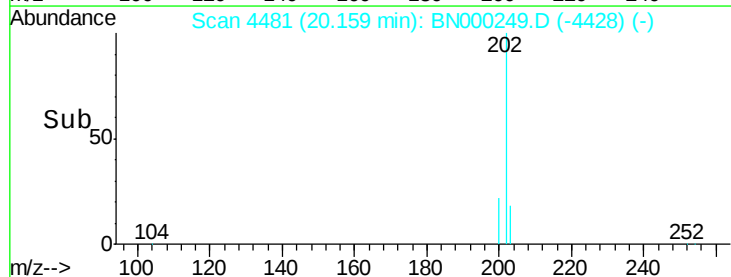
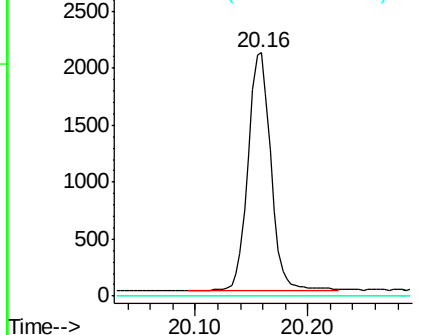
Tgt Ion:	202	Resp:	2951
Ion	Ratio	Lower	Upper
202	100		
101	0.0	18.2	27.4#
100	0.0	15.6	23.4#

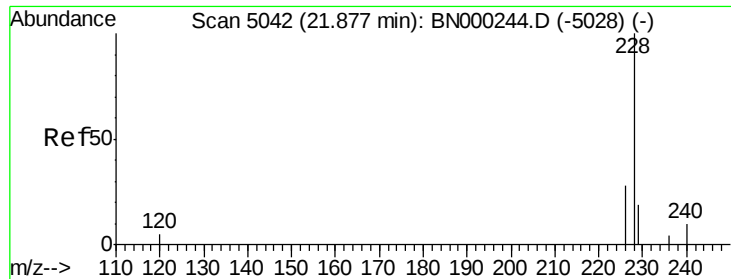


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.062 ng/ul

RT: 21.88 min Scan# 5042

Delta R.T. -0.01 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

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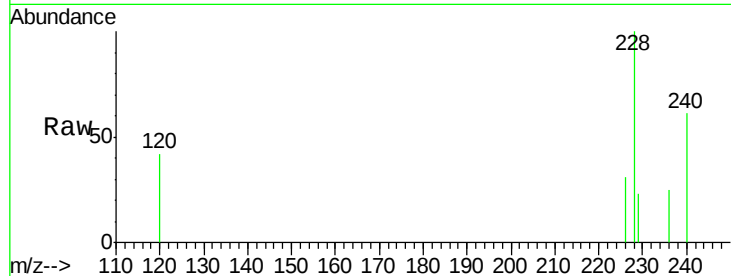
Tgt Ion:228 Resp: 1739

Ion Ratio Lower Upper

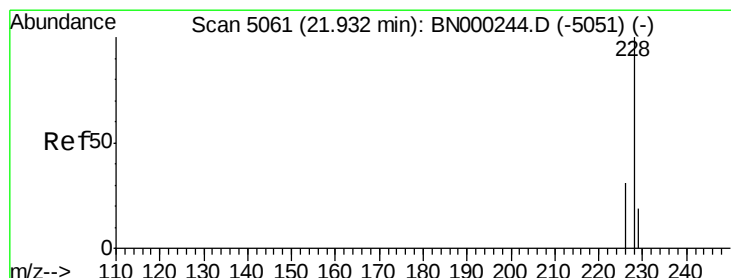
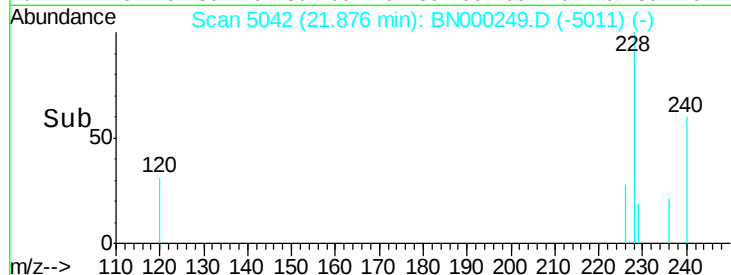
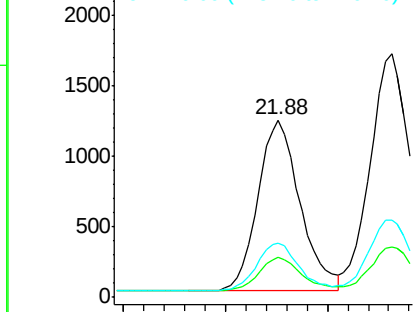
228 100

229 22.5 22.8 34.2#

226 30.7 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: 0.072 ng/ul

RT: 21.93 min Scan# 5061

Delta R.T. -0.01 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

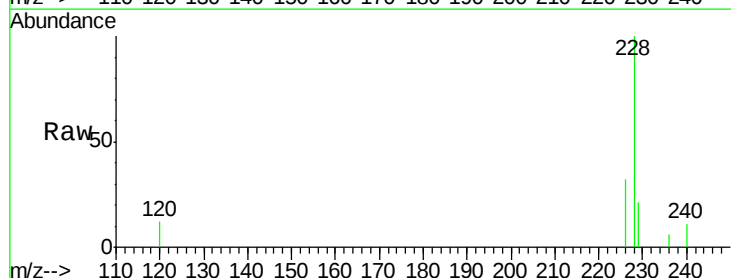
Tgt Ion:228 Resp: 2730

Ion Ratio Lower Upper

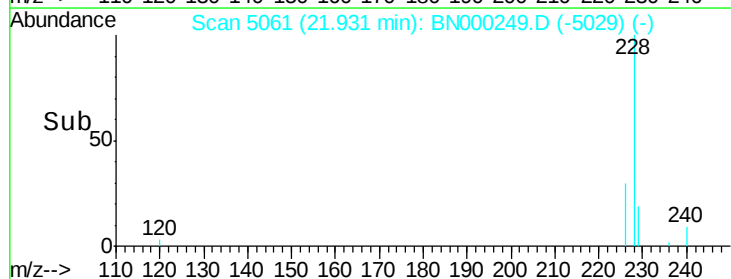
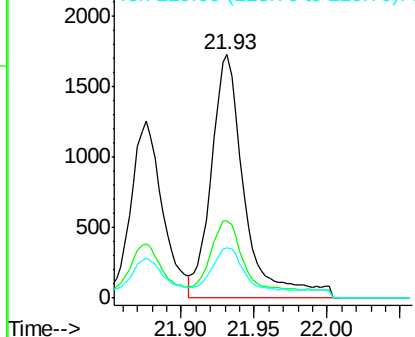
228 100

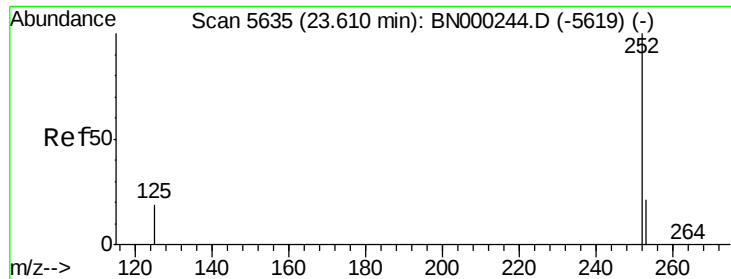
226 31.8 23.4 35.0

229 20.9 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: 0.063 ng/ul

RT: 23.61 min Scan# 5635

Delta R.T. -0.01 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

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MDL-SIM-S-04

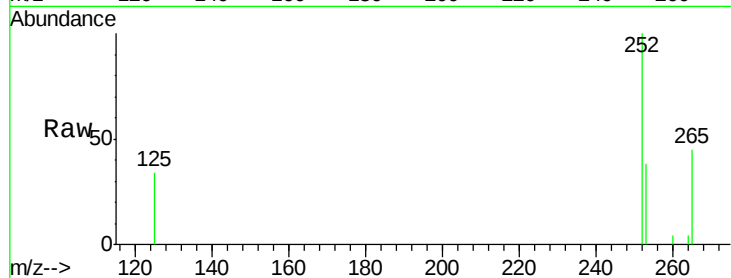
Tgt Ion:252 Resp: 2180

Ion Ratio Lower Upper

252 100

253 37.5 0.0 64.2

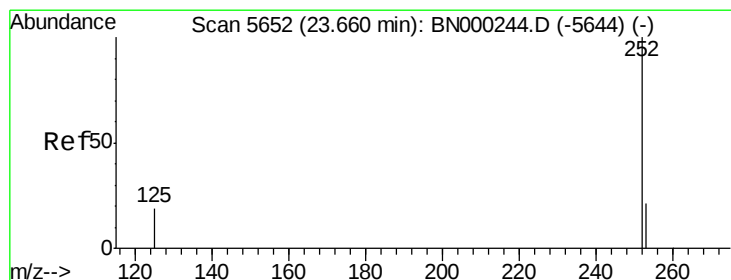
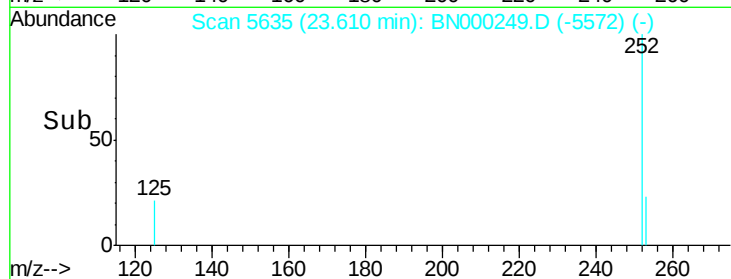
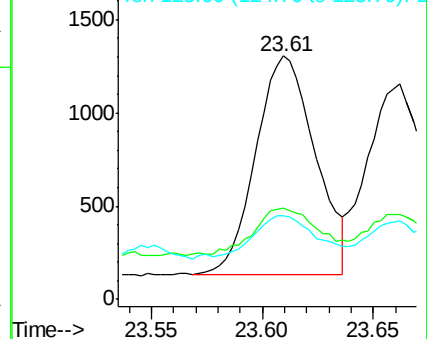
125 34.4 0.0 35.0



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: 0.062 ng/ul

RT: 23.66 min Scan# 5653

Delta R.T. -0.01 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

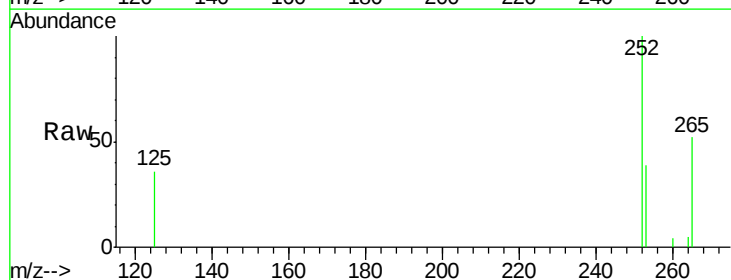
Tgt Ion:252 Resp: 2035

Ion Ratio Lower Upper

252 100

253 39.0 24.5 36.7#

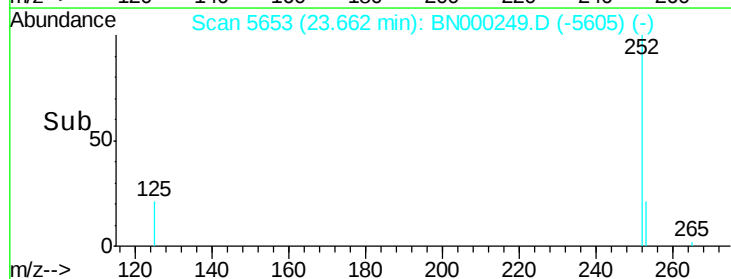
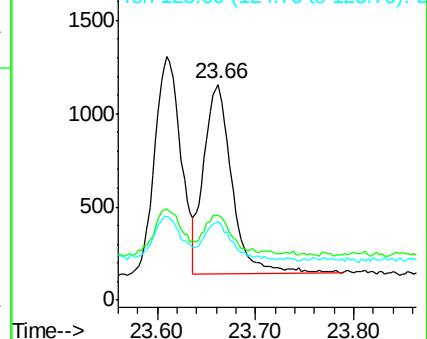
125 36.1 13.7 20.5#

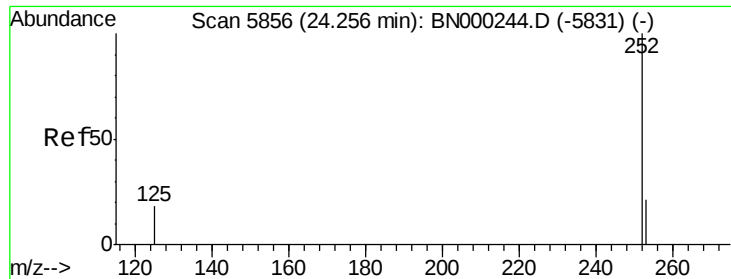


Abundance Ion 252.00 (251.70 to 252.70): E

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# 5857

Delta R.T. -0.01 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

Instrument :

BNA_N

ClientSampled :

MDL-SIM-S-04

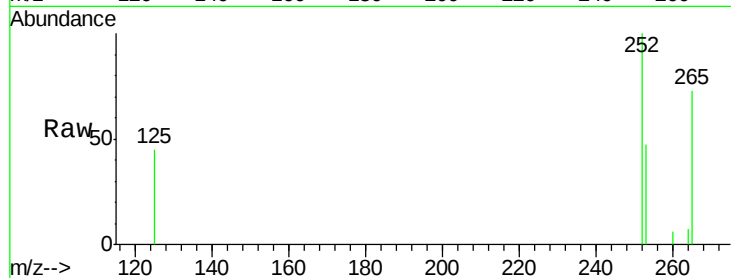
Tgt Ion:252 Resp: 1643

Ion Ratio Lower Upper

252 100

253 47.4 28.5 42.7#

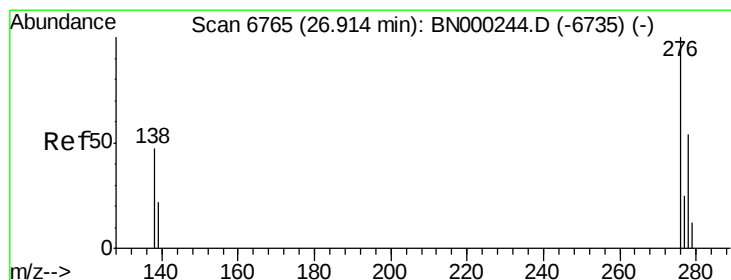
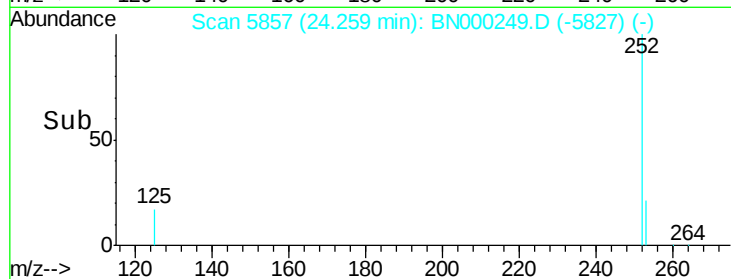
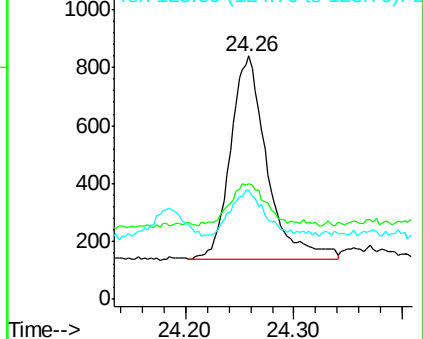
125 44.9 18.1 27.1#



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: 0.058 ng/u1

RT: 26.91 min Scan# 6765

Delta R.T. -0.02 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

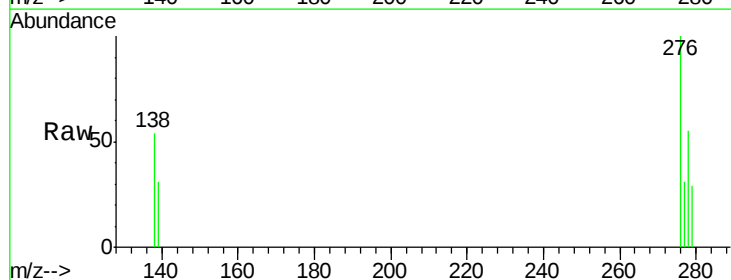
Tgt Ion:276 Resp: 1784

Ion Ratio Lower Upper

276 100

138 45.8 28.0 42.0#

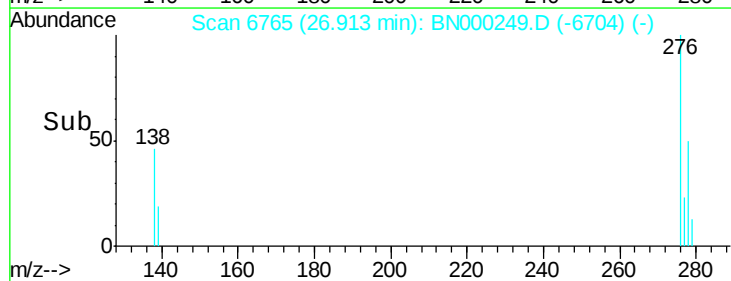
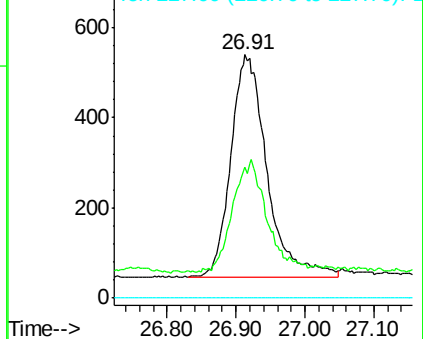
227 0.0 8.0 12.0#

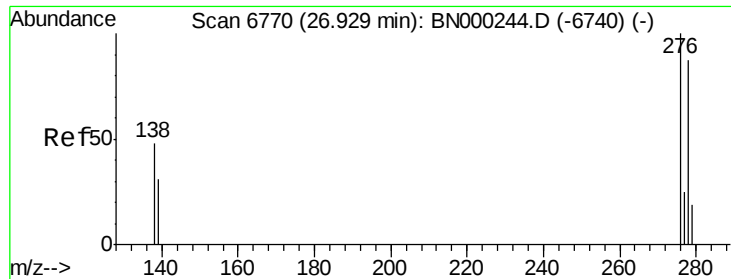


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.055 ng/ul

RT: 26.92 min Scan# 6769

Delta R.T. -0.02 min

Lab File: BN000249.D

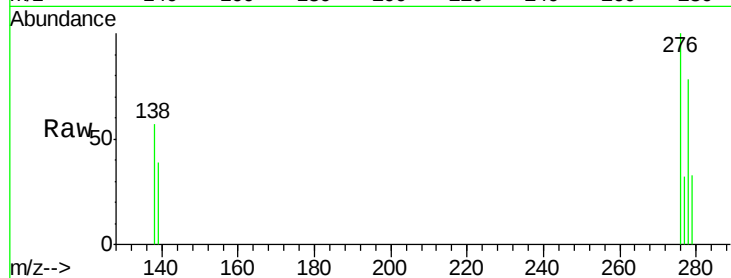
Acq: 05 Mar 2018 17:26

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-04



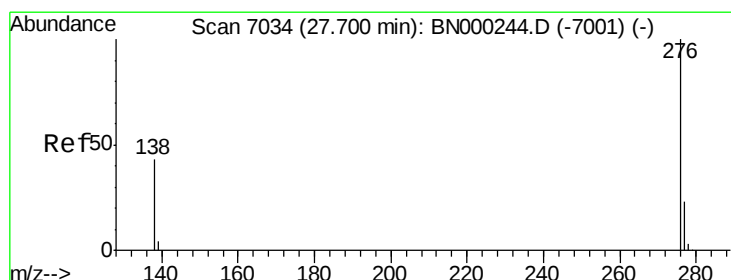
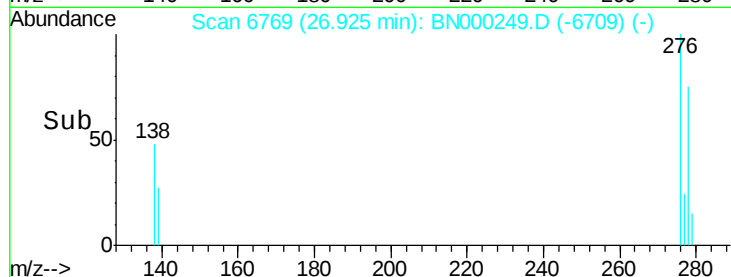
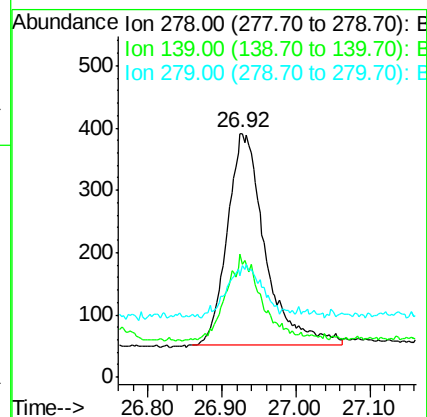
Tgt Ion: 278 Resp: 1217

Ion Ratio Lower Upper

278 100

139 50.4 17.4 26.0#

279 41.7 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.063 ng/ul

RT: 27.70 min Scan# 7034

Delta R.T. -0.02 min

Lab File: BN000249.D

Acq: 05 Mar 2018 17:26

Tgt Ion: 276 Resp: 1909

Ion Ratio Lower Upper

276 100

138 51.1 21.8 32.8#

277 30.7 20.5 30.7

