

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030518\
 Data File : BN000241.D
 Acq On : 05 Mar 2018 12:50
 Operator : JU/SJ
 Sample : MDL-SIM-W-05
 Misc : 0.07 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SIM-W-05

Quant Time: Mar 05 14:42:12 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

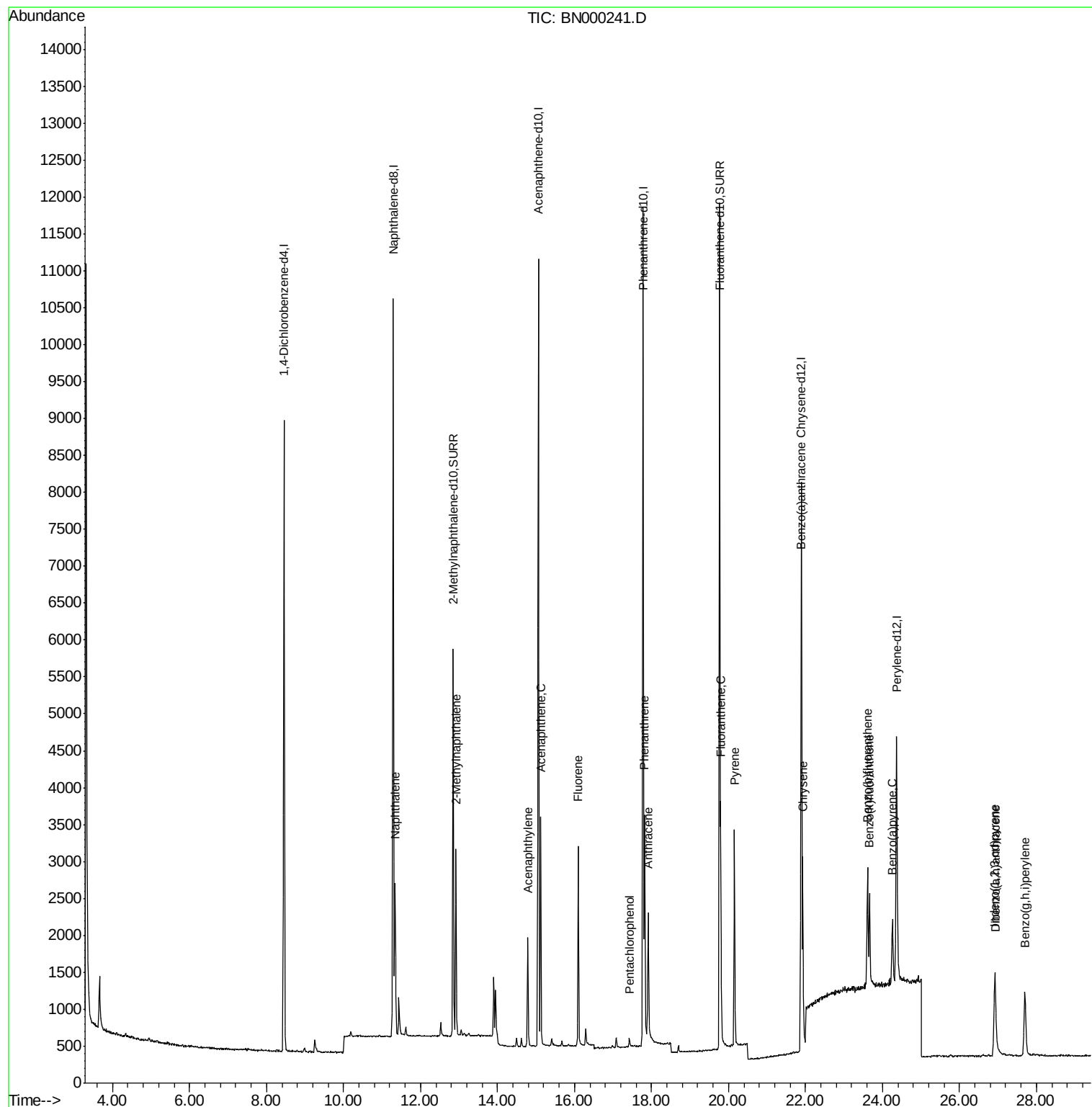
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	4356	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	13874	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	5834	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.78	188	12865	0.40	ng/ul	0.00
16) Chrysene-d12	21.89	240	6885	0.40	ng/ul	0.00
20) Perylene-d12	24.37	264	5397	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.85	152	6817	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.77	212	11149	0.37	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	11.34	128	2882	0.065	ng/ul#	91
5) 2-Methylnaphthalene	12.92	142	1772	0.063	ng/ul	98
7) Acenaphthylene	14.79	152	1805	0.062	ng/ul	99
8) Acenaphthene	15.12	153	1745	0.062	ng/ul	95
9) Fluorene	16.10	166	1822	0.060	ng/ul	92
11) Pentachlorophenol	17.43	266	106	0.041	ng/ul#	90
12) Phenanthrene	17.82	178	3265	0.062	ng/ul#	88
13) Anthracene	17.91	178	2252	0.058	ng/ul#	90
15) Fluoranthene	19.80	202	3111	0.061	ng/ul	62
17) Pyrene	20.15	202	2954	0.073	ng/ul#	55
18) Benzo(a)anthracene	21.88	228	1659	0.061	ng/ul#	85
19) Chrysene	21.93	228	2641	0.072	ng/ul	95
21) Benzo(b)fluoranthene	23.61	252	2061	0.063	ng/ul	79
22) Benzo(k)fluoranthene	23.66	252	1939	0.063	ng/ul#	72
23) Benzo(a)pyrene	24.26	252	1516	0.060	ng/ul#	66
24) Indeno(1,2,3-cd)pyrene	26.92	276	1624	0.057	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.93	278	1120	0.054	ng/ul#	64
26) Benzo(g,h,i)perylene	27.70	276	1744	0.062	ng/ul#	73

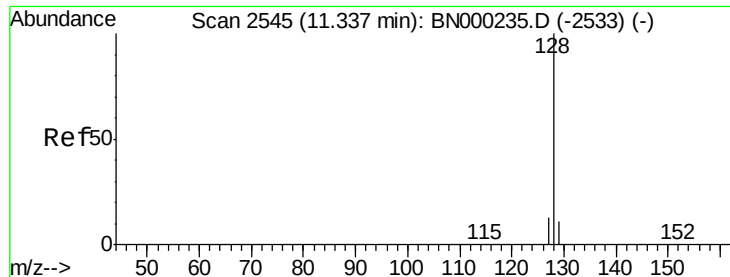
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.065 ng/ul

RT: 11.34 min Scan# 2546

Delta R.T. 0.00 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-05

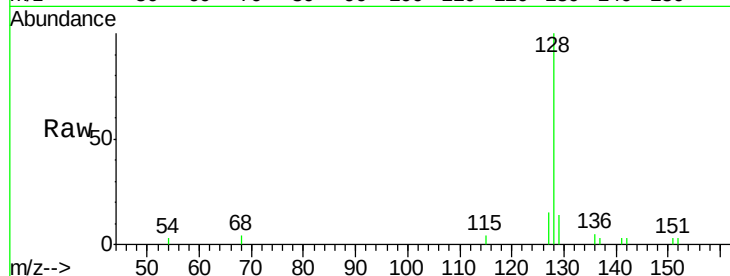
Tgt Ion:128 Resp: 2882

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

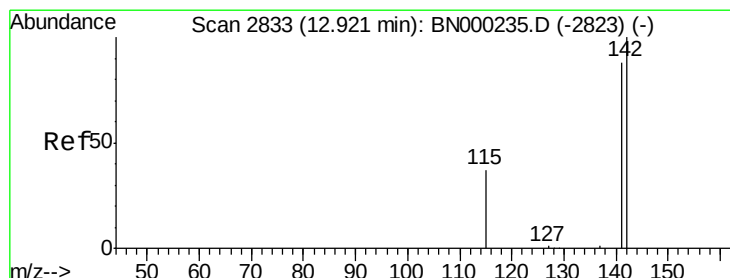
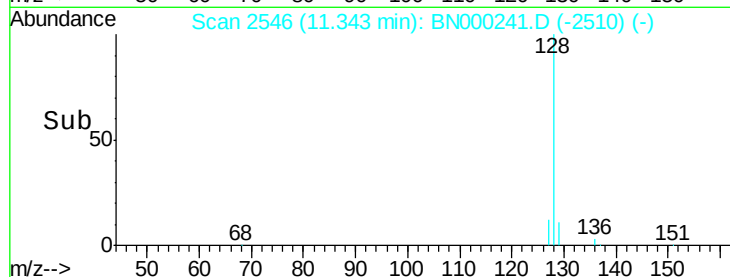
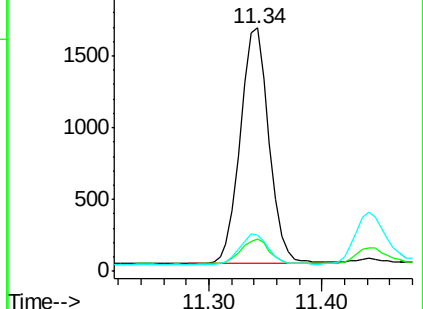
127 14.9 4.0 6.0#



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: 0.063 ng/ul

RT: 12.92 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BN000241.D

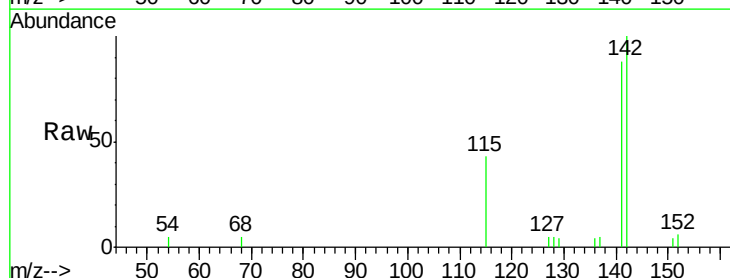
Acq: 05 Mar 2018 12:50

Tgt Ion:142 Resp: 1772

Ion Ratio Lower Upper

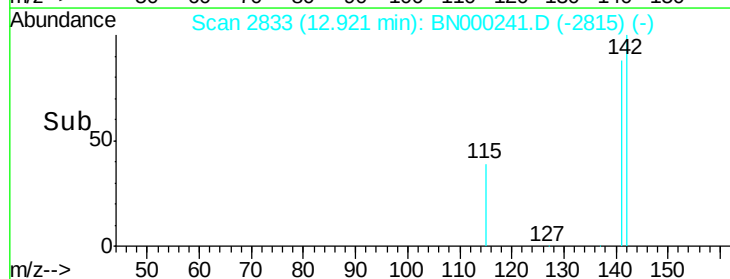
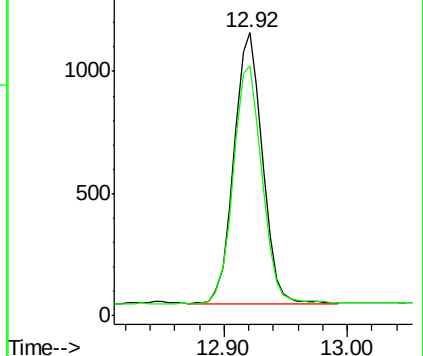
142 100

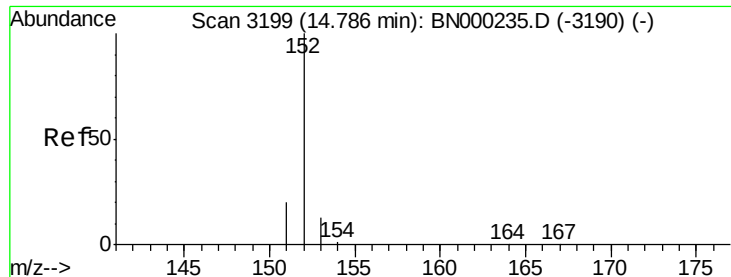
141 89.3 72.6 108.8



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: BN000241.D

Acq: 05 Mar 2018 12:50

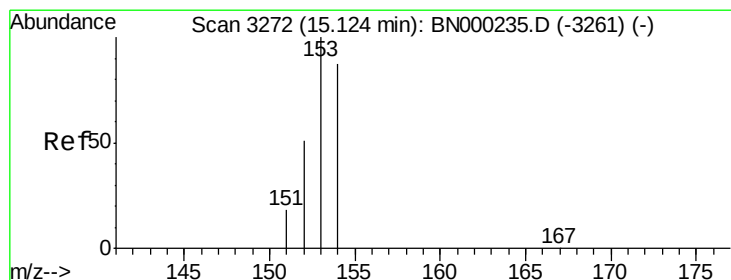
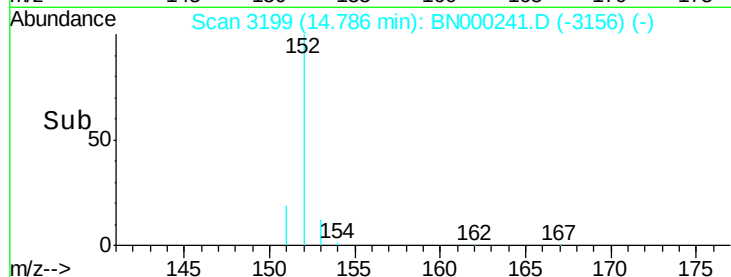
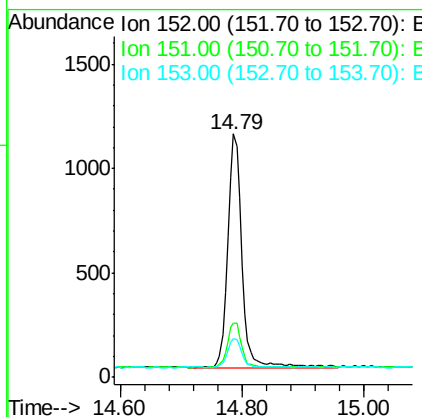
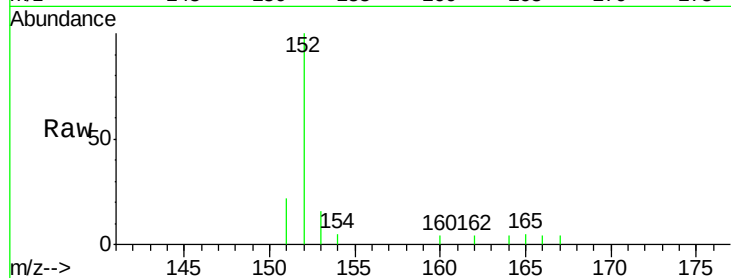
Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-05

Tgt Ion:	152	Resp:	1805
Ion	Ratio	Lower	Upper
152	100		
151	22.3	17.1	25.7
153	16.0	12.8	19.2



#8

Acenaphthene

Concen: 0.062 ng/ul

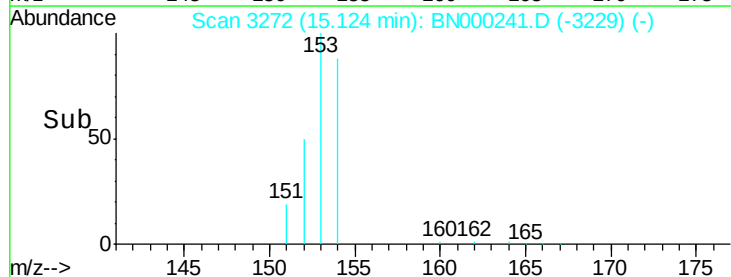
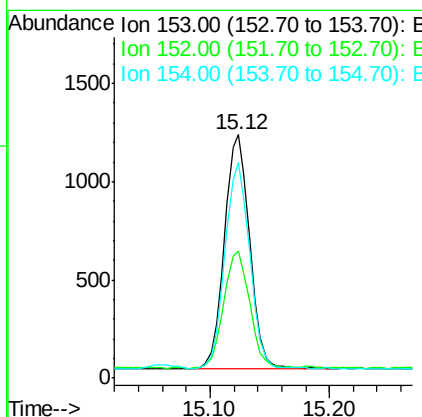
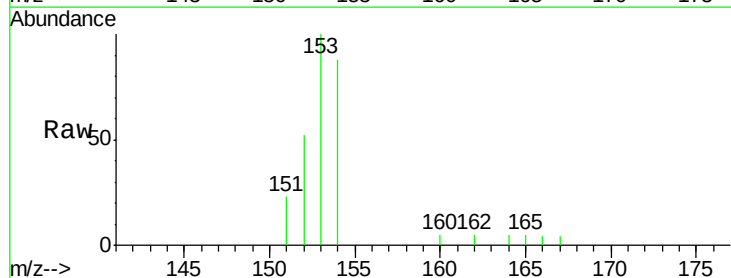
RT: 15.12 min Scan# 3272

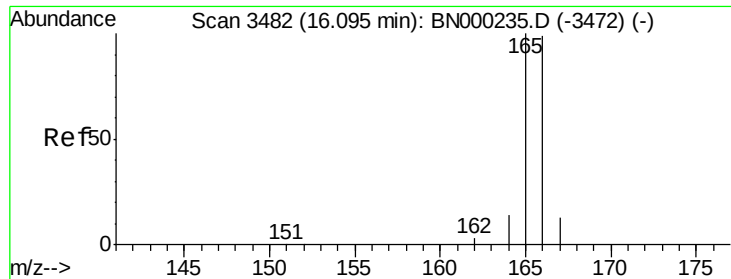
Delta R.T. 0.00 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

Tgt Ion:	153	Resp:	1745
Ion	Ratio	Lower	Upper
153	100		
152	52.3	36.0	54.0
154	88.3	72.0	108.0





#9

Fluorene

Concen: 0.060 ng/ul

RT: 16.10 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-05

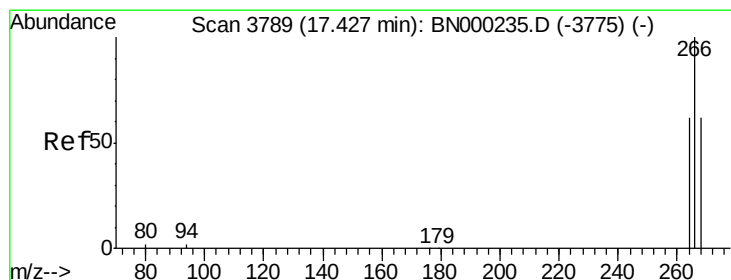
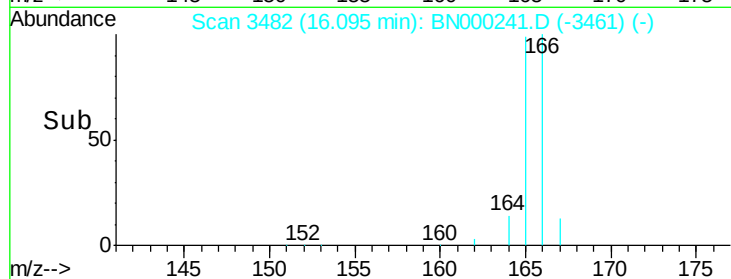
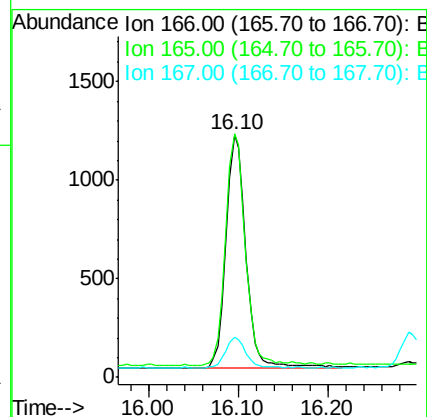
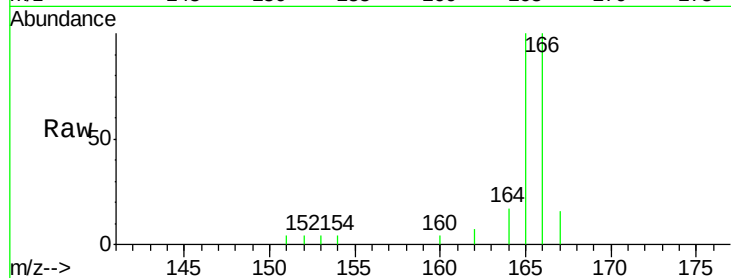
Tgt Ion:166 Resp: 1822

Ion Ratio Lower Upper

166 100

165 100.4 73.4 110.2

167 16.3 14.6 22.0



#11

Pentachlorophenol

Concen: 0.041 ng/ul

RT: 17.43 min Scan# 3789

Delta R.T. 0.00 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

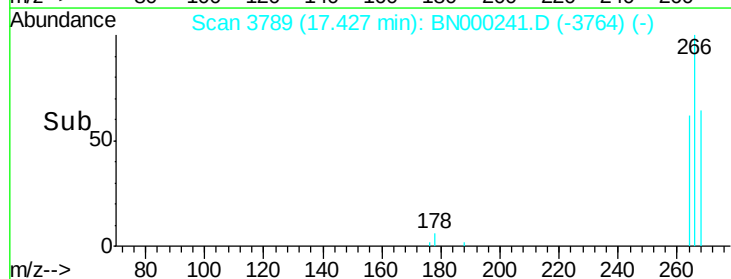
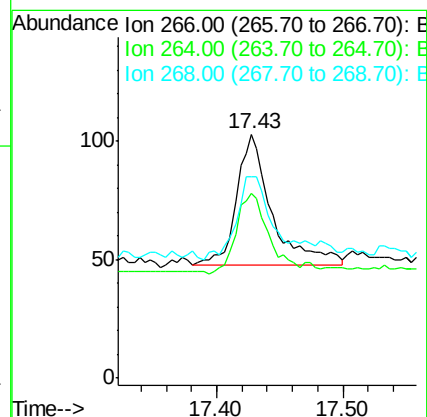
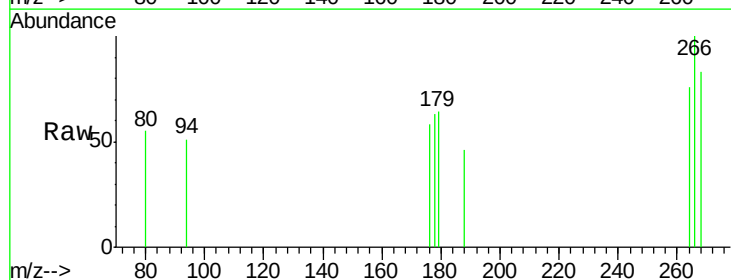
Tgt Ion:266 Resp: 106

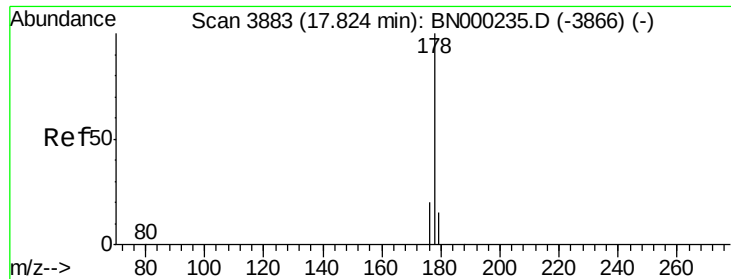
Ion Ratio Lower Upper

266 100

264 58.5 47.9 71.9

268 76.4 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: BN000241.D

Acq: 05 Mar 2018 12:50

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-05

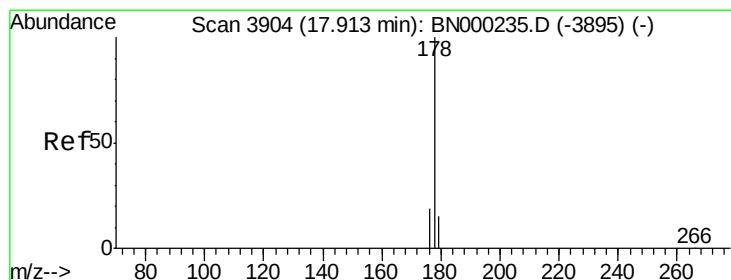
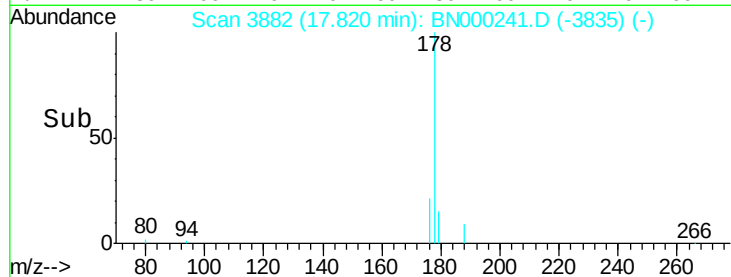
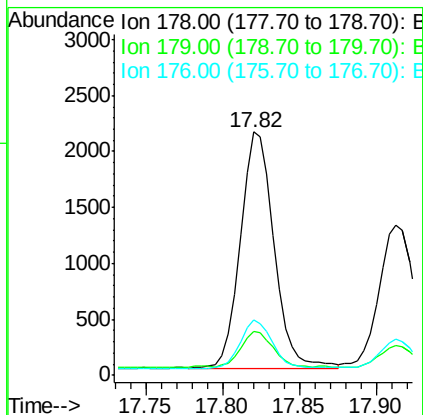
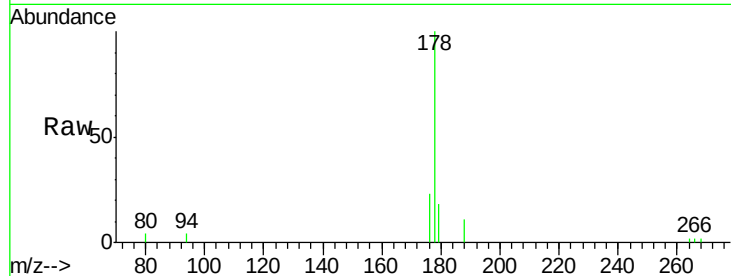
Tgt Ion:178 Resp: 3265

Ion Ratio Lower Upper

178 100

179 18.0 18.4 27.6#

176 22.8 13.6 20.4#



#13

Anthracene

Concen: 0.058 ng/ul

RT: 17.91 min Scan# 3904

Delta R.T. 0.00 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

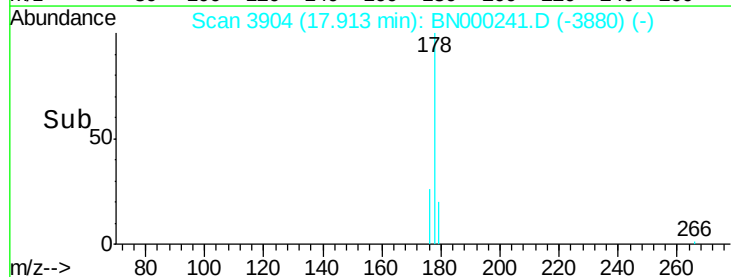
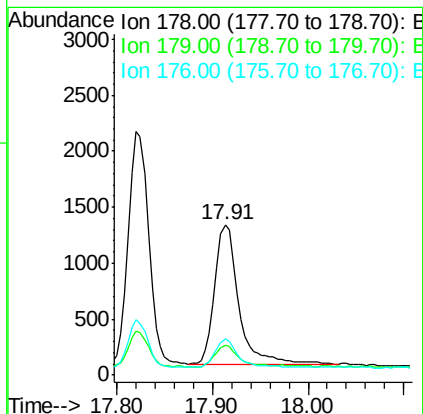
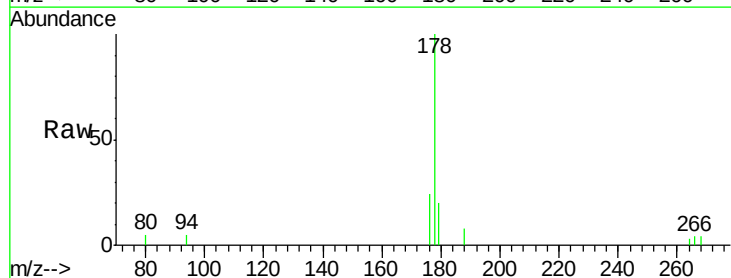
Tgt Ion:178 Resp: 2252

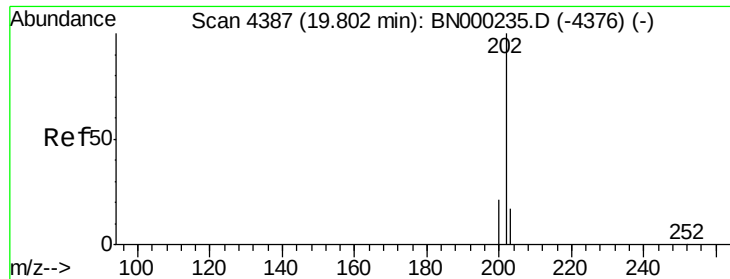
Ion Ratio Lower Upper

178 100

179 19.5 18.1 27.1

176 24.3 14.7 22.1#





#15

Fluoranthene

Concen: 0.061 ng/ul

RT: 19.80 min Scan# 4386

Delta R.T. -0.00 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-05

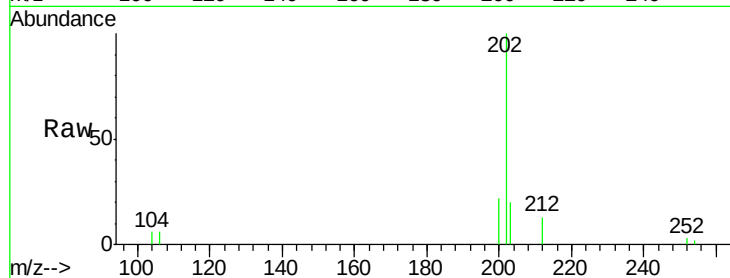
Tgt Ion:202 Resp: 3111

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.3

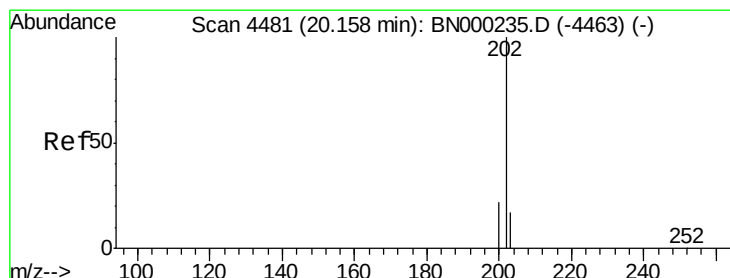
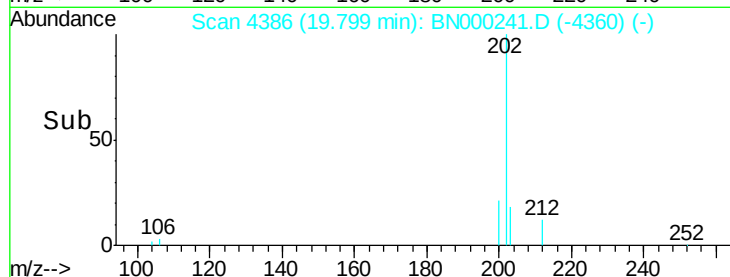
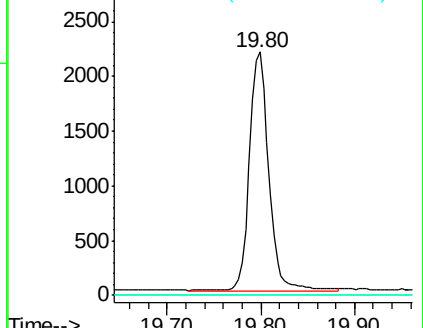
100 0.0 0.0 39.5



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: 0.073 ng/ul

RT: 20.15 min Scan# 4480

Delta R.T. -0.00 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

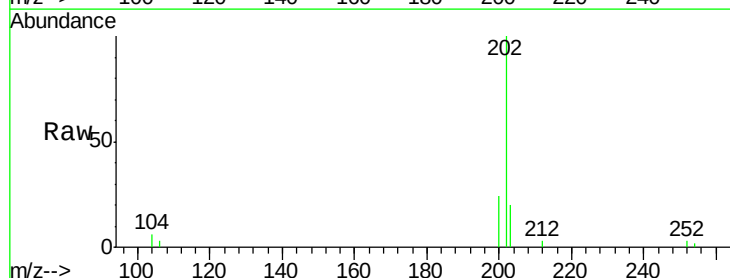
Tgt Ion:202 Resp: 2954

Ion Ratio Lower Upper

202 100

101 0.0 18.2 27.4#

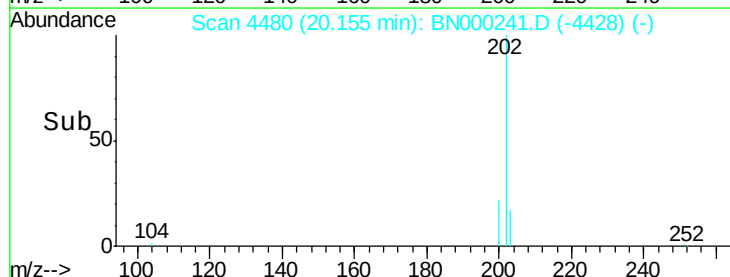
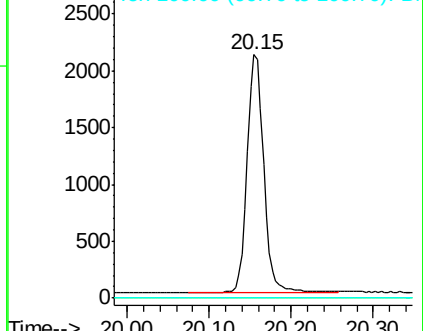
100 0.0 15.6 23.4#

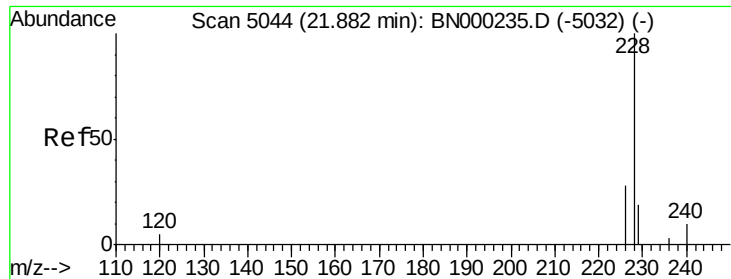


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.061 ng/ul

RT: 21.88 min Scan# 5042

Delta R.T. -0.01 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

Instrument :

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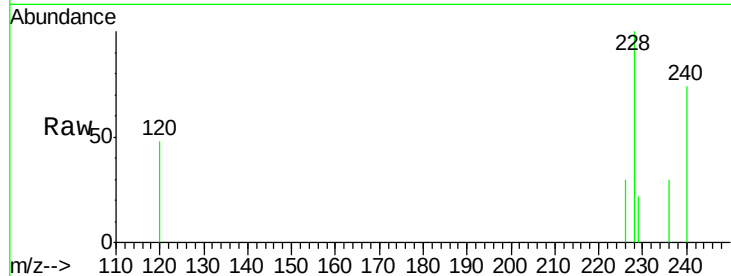
Tgt Ion:228 Resp: 1659

Ion Ratio Lower Upper

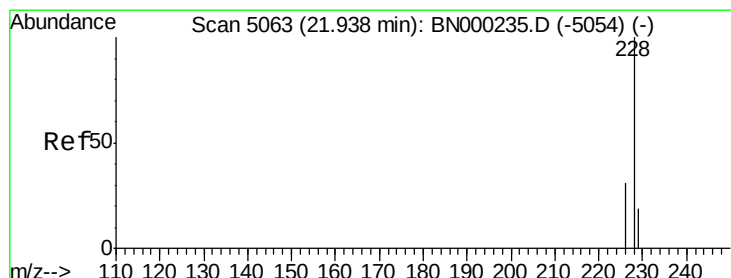
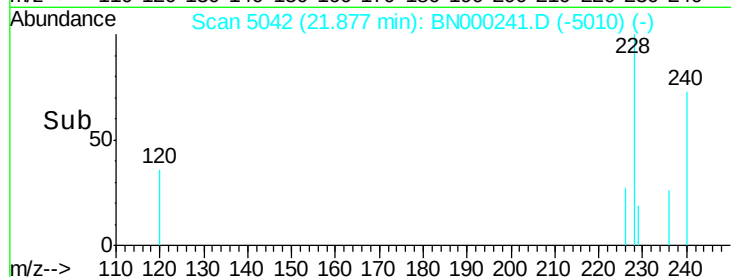
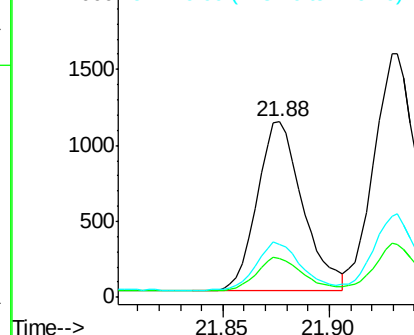
228 100

229 22.4 22.8 34.2#

226 30.1 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# 5060

Delta R.T. -0.01 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

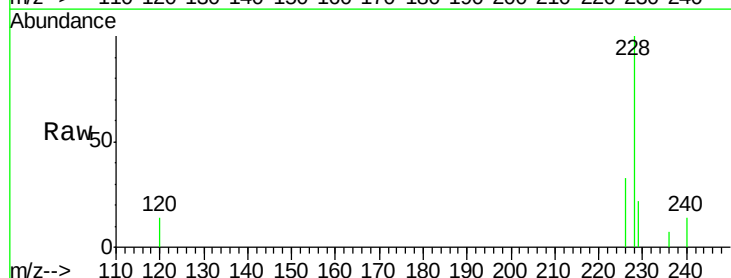
Tgt Ion:228 Resp: 2641

Ion Ratio Lower Upper

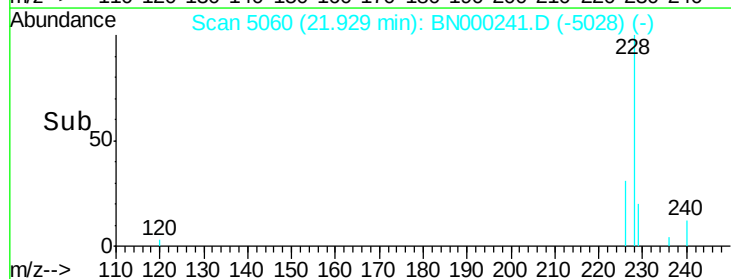
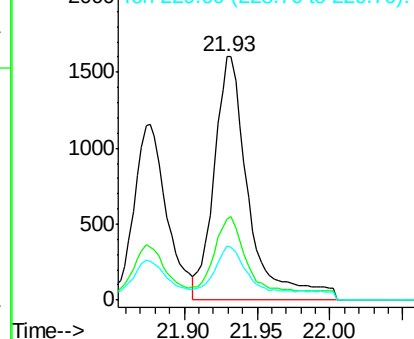
228 100

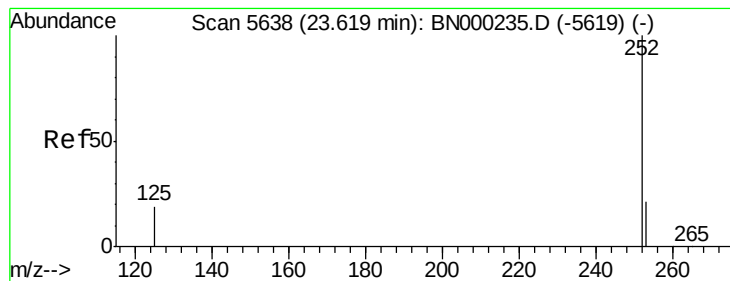
226 33.4 23.4 35.0

229 22.2 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: BN000241.D

Acq: 05 Mar 2018 12:50

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-05

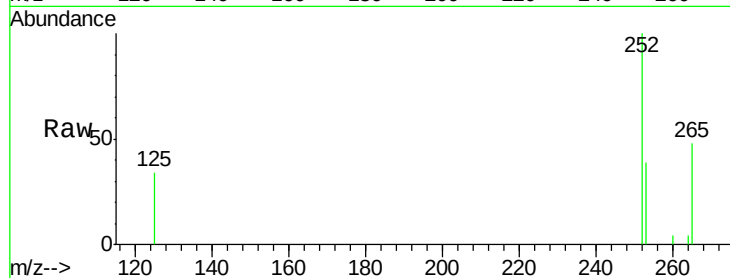
Tgt Ion:252 Resp: 2061

Ion Ratio Lower Upper

252 100

253 38.6 0.0 64.2

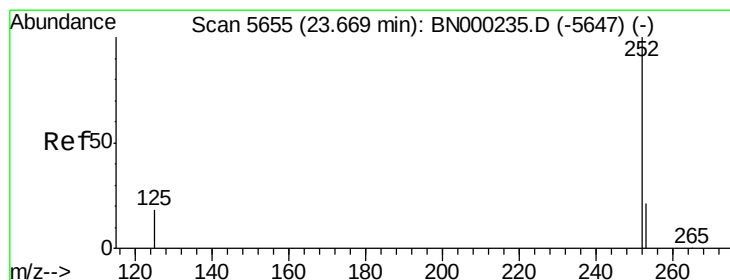
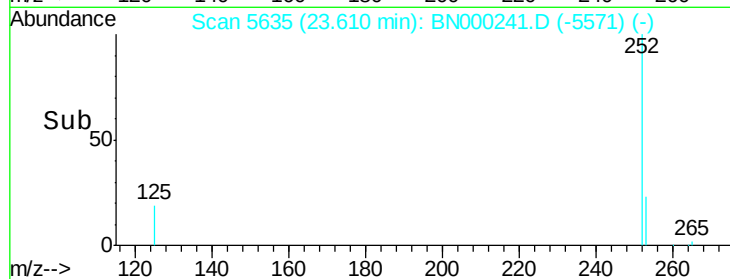
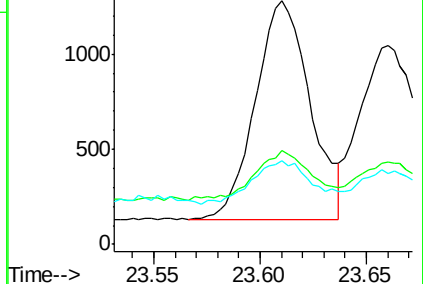
125 34.1 0.0 35.0



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: 0.063 ng/ul

RT: 23.66 min Scan# 5652

Delta R.T. -0.01 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

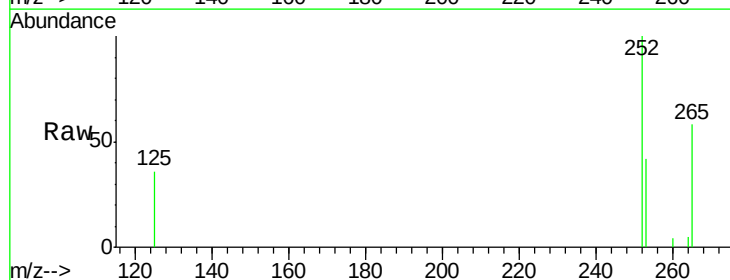
Tgt Ion:252 Resp: 1939

Ion Ratio Lower Upper

252 100

253 41.6 24.5 36.7#

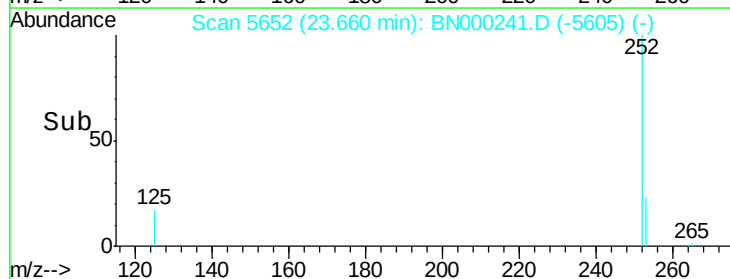
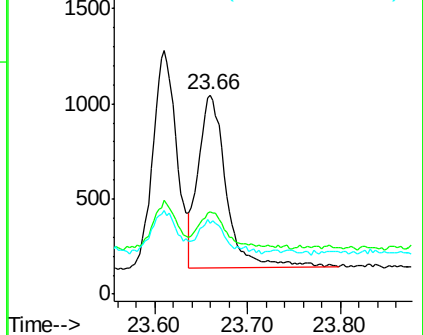
125 35.6 13.7 20.5#

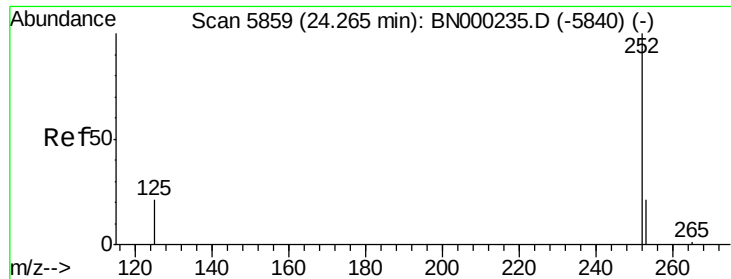


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 24.26 min Scan# 5856

Delta R.T. -0.01 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-W-05

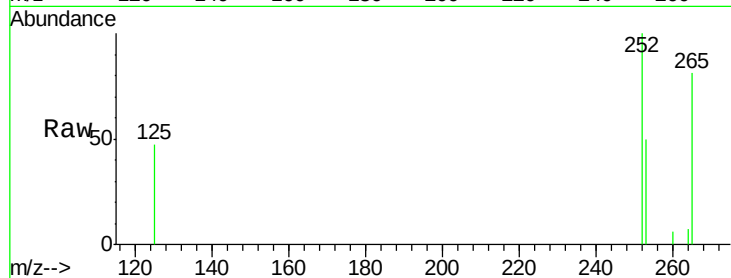
Tgt Ion:252 Resp: 1516

Ion Ratio Lower Upper

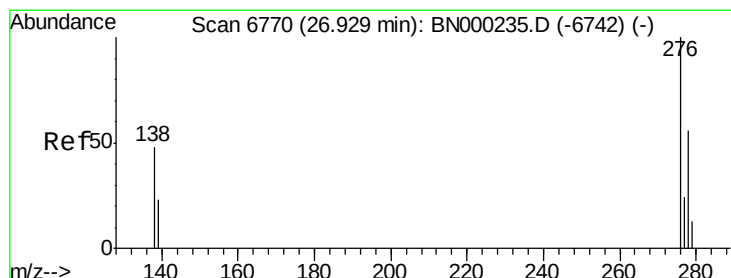
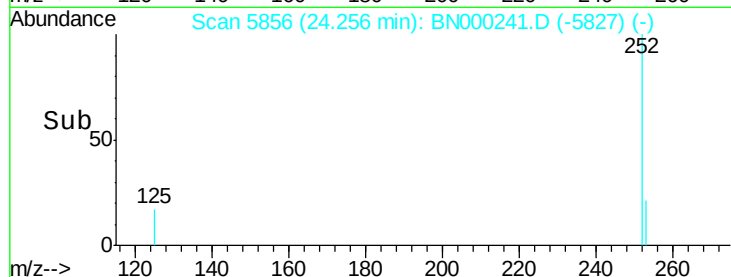
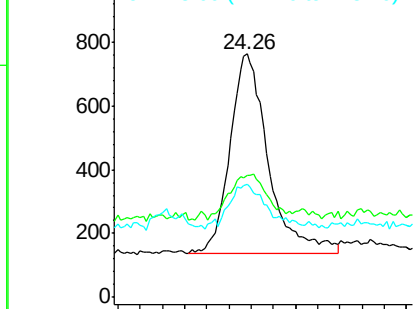
252 100

253 50.1 28.5 42.7#

125 46.5 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: 0.057 ng/ul

RT: 26.92 min Scan# 6767

Delta R.T. -0.02 min

Lab File: BN000241.D

Acq: 05 Mar 2018 12:50

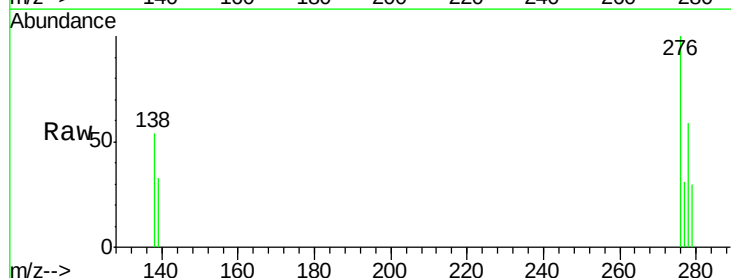
Tgt Ion:276 Resp: 1624

Ion Ratio Lower Upper

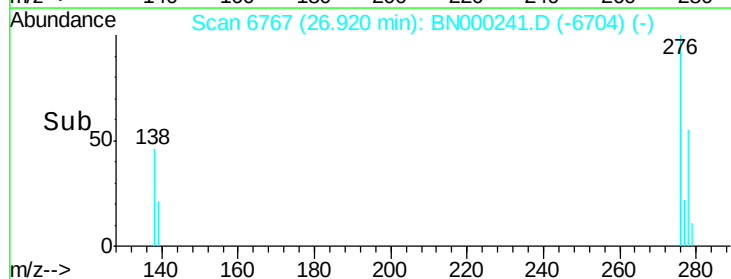
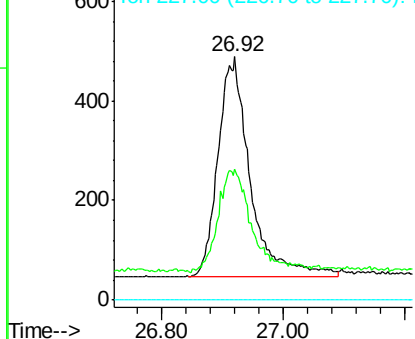
276 100

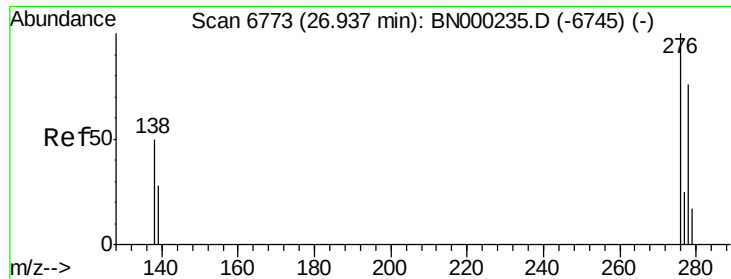
138 49.9 28.0 42.0#

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



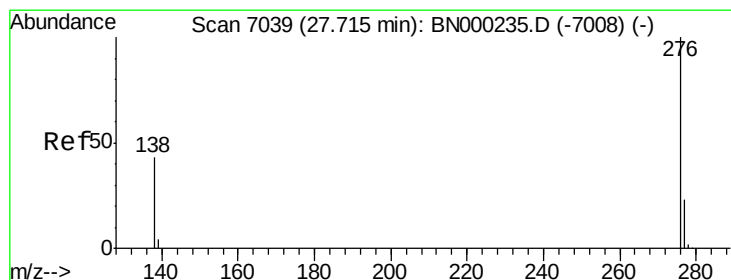
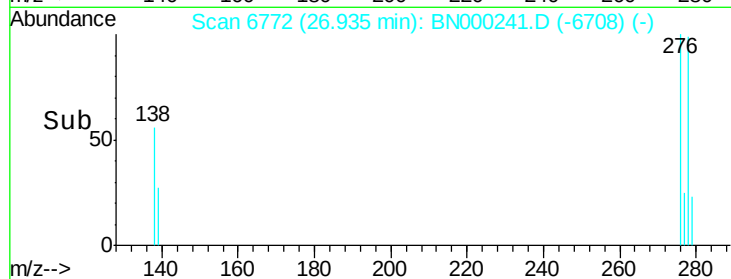
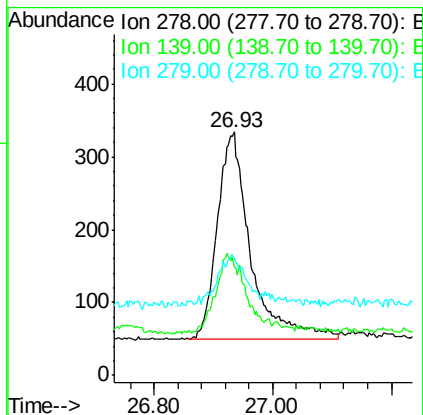
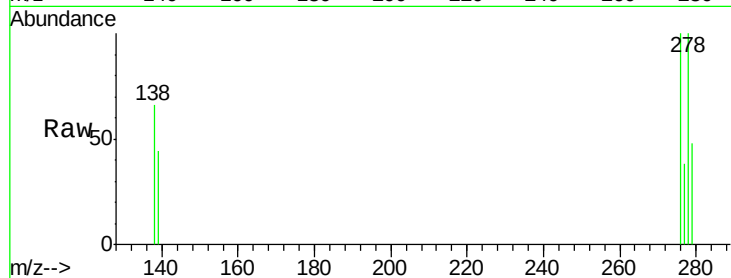


#25
Dibenzo(a,h)anthracene
Concen: 0.054 ng/ul
RT: 26.93 min Scan# 6772
Delta R.T. -0.01 min
Lab File: BN000241.D
Acq: 05 Mar 2018 12:50

Instrument :
BNA_N
ClientSampleId :
MDL-SIM-W-05

Tgt Ion: 278 Resp: 1120

Ion	Ratio	Lower	Upper
278	100		
139	44.3	17.4	26.0#
279	48.2	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.062 ng/ul
RT: 27.70 min Scan# 7034
Delta R.T. -0.02 min
Lab File: BN000241.D
Acq: 05 Mar 2018 12:50

Tgt Ion: 276 Resp: 1744

Ion	Ratio	Lower	Upper
276	100		
138	49.5	21.8	32.8#
277	30.3	20.5	30.7

