

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081220\
 Data File : BN011420.D
 Acq On : 12 Aug 2020 14:54
 Operator : CG/JU
 Sample : SP5220
 Misc : SOM02.4 SIM SURROGATE
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP5220

Quant Time: Aug 12 17:00:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 12 14:05:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	653	0.40	ng/ul	0.00
2) Naphthalene-d8	10.22	136	2006	0.40	ng/ul	0.03
6) Acenaphthene-d10	14.09	164	1163	0.40	ng/ul	0.01
10) Phenanthrene-d10	16.86	188	2288	0.40	ng/ul	0.03
16) Chrysene-d12	21.06	240	2038	0.40	ng/ul	0.01
20) Perylene-d12	23.18	264	2092	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.82	152	2062	0.73	ng/ul	0.02
14) Fluoranthene-d10	18.88	212	5113	0.79	ng/ul	0.00

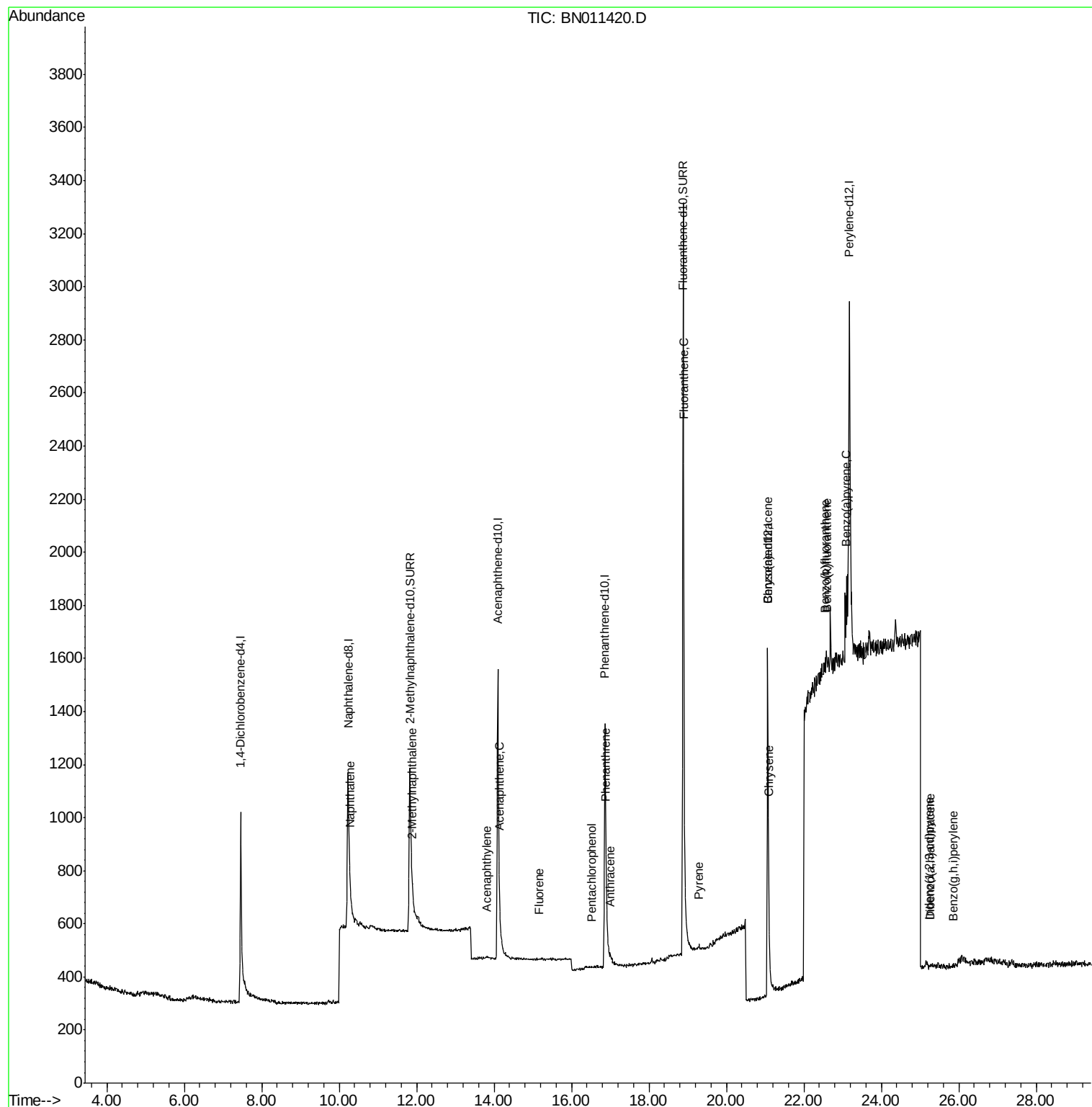
Target Compounds				Ovalue		
3) Naphthalene	10.28	128	7	0.001	ng/ul#	1
5) 2-Methylnaphthalene	11.89	142	2	0.001	ng/ul	89
7) Acenaphthylene	13.81	152	2	0.000	ng/ul#	1
8) Acenaphthene	14.14	153	2	0.000	ng/ul#	68
9) Fluorene	15.16	166	2	0.000	ng/ul#	71
11) Pentachlorophenol	16.50	266	3	0.006	ng/ul#	56
12) Phenanthrene	16.89	178	13	0.002	ng/ul#	1
13) Anthracene	17.00	178	3	0.000	ng/ul#	1
15) Fluoranthene	18.90	202	10	0.001	ng/ul#	1
17) Pyrene	19.29	202	20	0.003	ng/ul#	1
18) Benzo(a)anthracene	21.06	228	18	0.003	ng/ul#	1
19) Chrysene	21.09	228	20	0.002	ng/ul#	1
21) Benzo(b)fluoranthene	22.55	252	13	0.001	ng/ul#	1
22) Benzo(k)fluoranthene	22.60	252	12	0.001	ng/ul#	1
23) Benzo(a)pyrene	23.08	252	21	0.003	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.23	276	2	0.000	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.25	278	2	0.000	ng/ul#	1
26) Benzo(g,h,i)perylene	25.84	276	1	0.000	ng/ul#	1

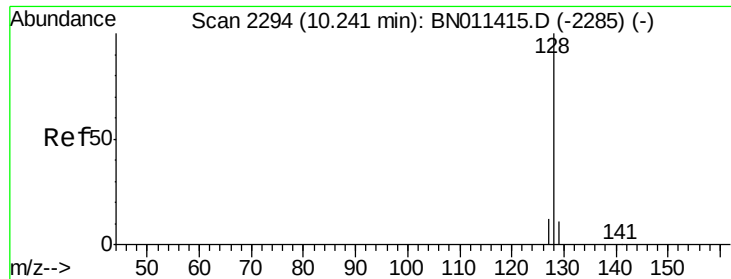
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.001 ng/ul

RT: 10.28 min Scan# 2301

Delta R.T. 0.04 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Instrument :

BNA_N

ClientSampleId :

SP5220

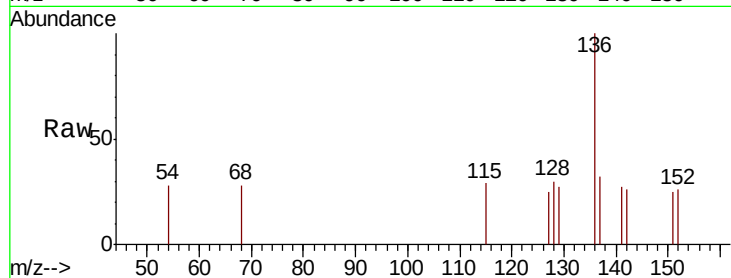
Tot Ion:128 Resp: 7

Ion Ratio Lower Upper

128 100

129 89.3 10.4 15.6#

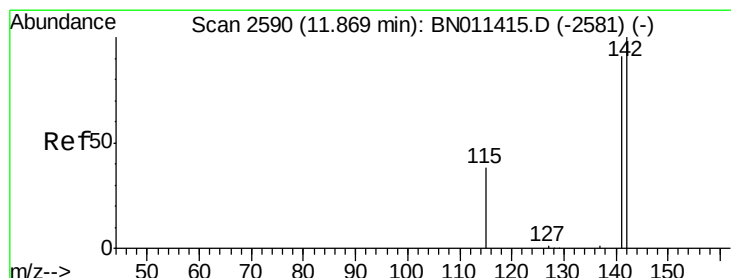
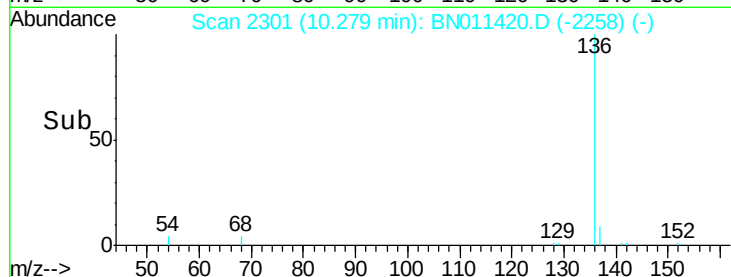
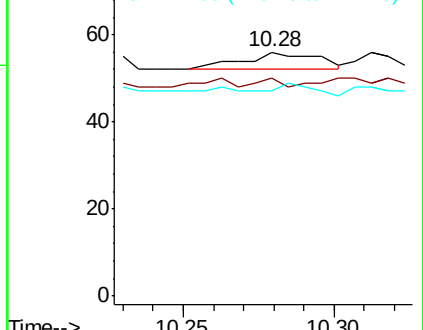
127 83.9 11.4 17.0#



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: 0.001 ng/ul

RT: 11.89 min Scan# 2594

Delta R.T. 0.02 min

Lab File: BN011420.D

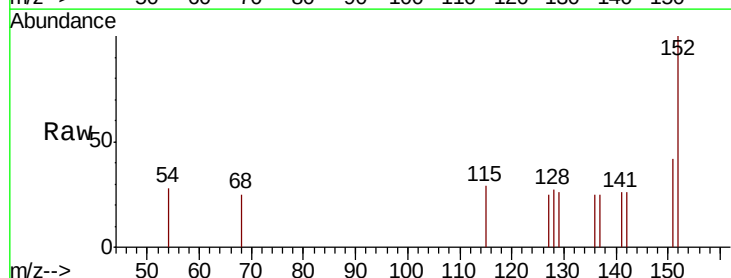
Acq: 12 Aug 2020 14:54

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

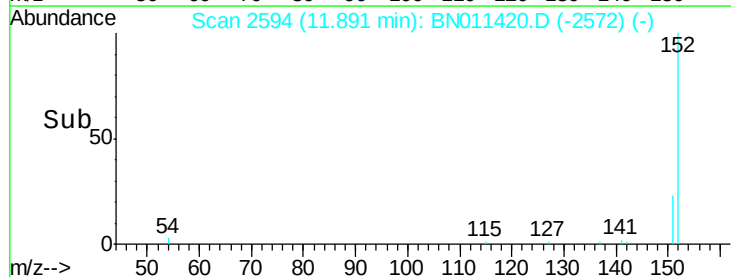
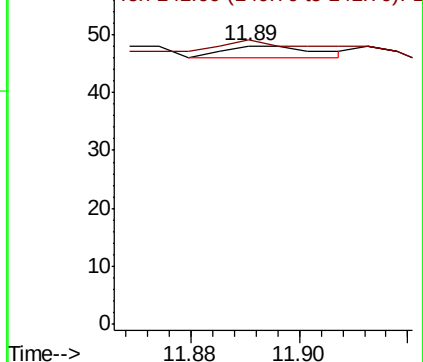
142 100

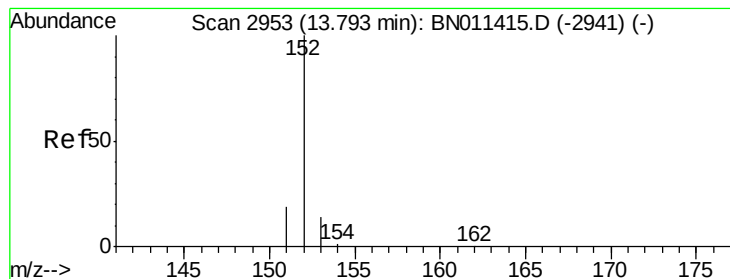
141 100.0 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.000 ng/ul

RT: 13.81 min Scan# 2957

Delta R.T. 0.02 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

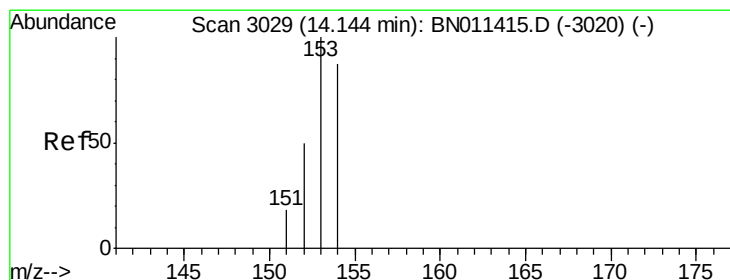
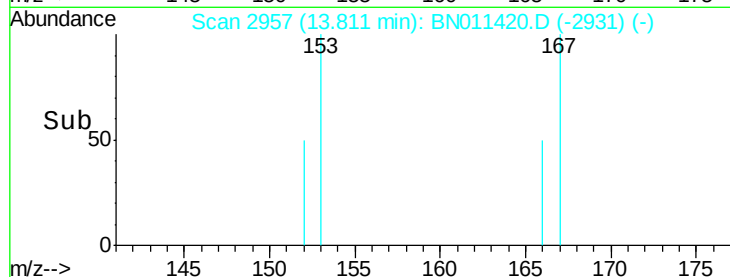
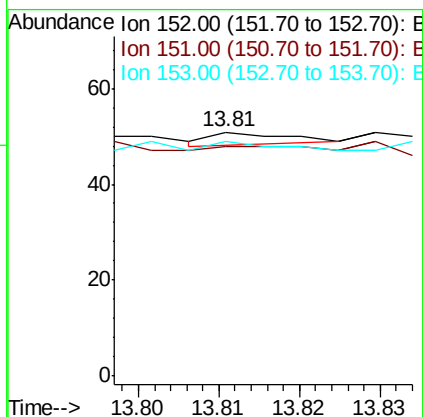
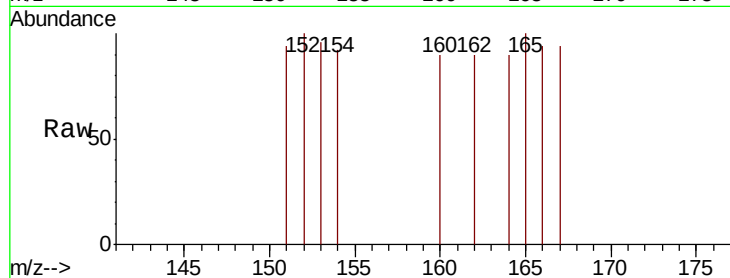
Instrument :

BNA_N

ClientSampleId :

SP5220

Tot Ion:152	Resp:	2
Ion	Ratio	Lower Upper
152	100	
151	94.1	16.7 25.1#
153	96.1	12.3 18.5#



#8

Acenaphthene

Concen: 0.000 ng/ul

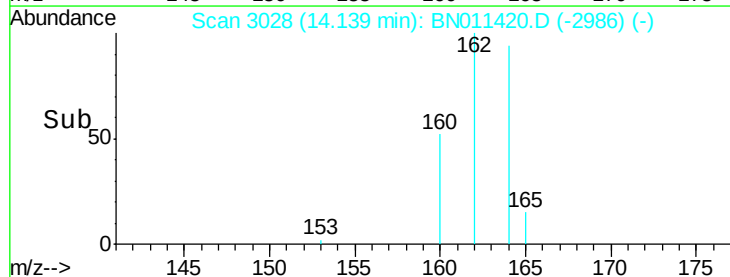
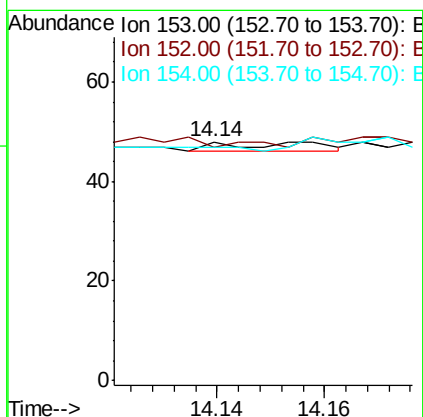
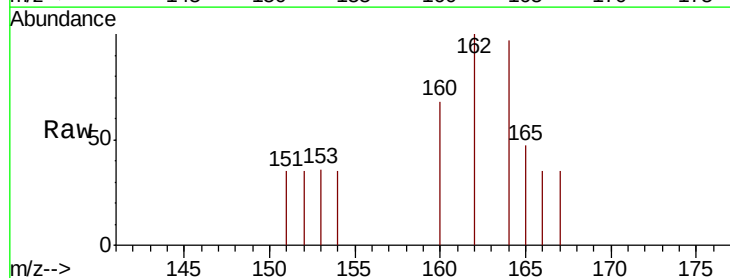
RT: 14.14 min Scan# 3028

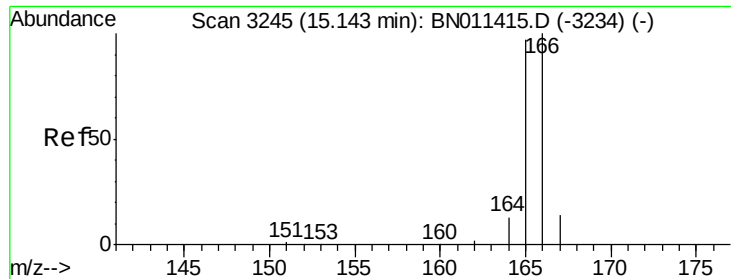
Delta R.T. -0.00 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Tgt Ion:153	Resp:	2
Ion	Ratio	Lower Upper
153	100	
152	97.9	41.0 61.6#
154	97.9	70.2 105.2





#9

Fluorene

Concen: 0.000 ng/ul

RT: 15.16 min Scan# 3248

Delta R.T. 0.01 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

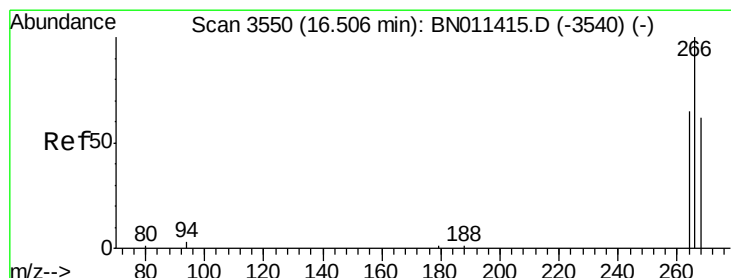
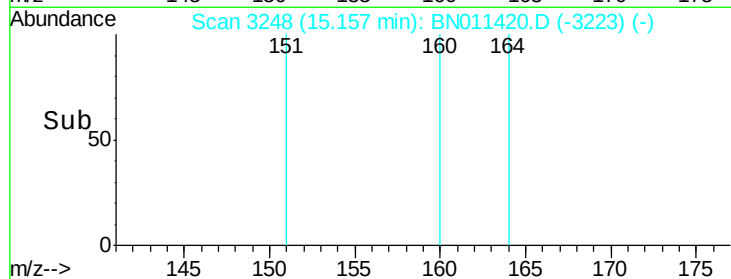
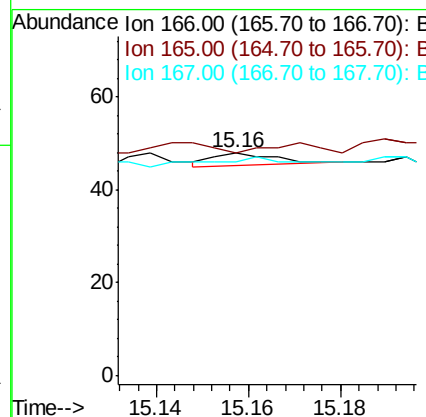
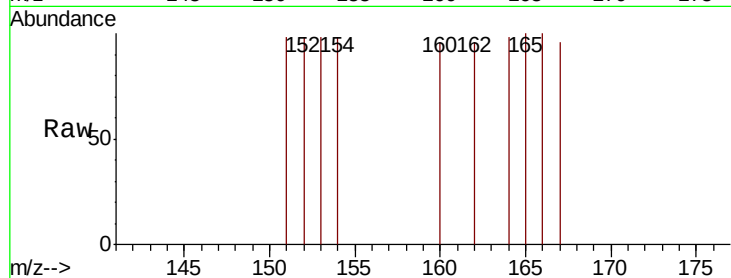
Instrument :

BNA_N

ClientSampleId :

SP5220

Tot Ion:166	Resp:	2	
Ion Ratio	Lower	Upper	
166	100		
165	100.0	77.7	116.5
167	95.8	12.5	18.7#



#11

Pentachlorophenol

Concen: 0.006 ng/ul

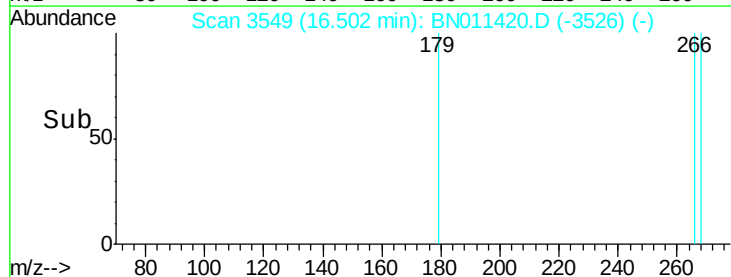
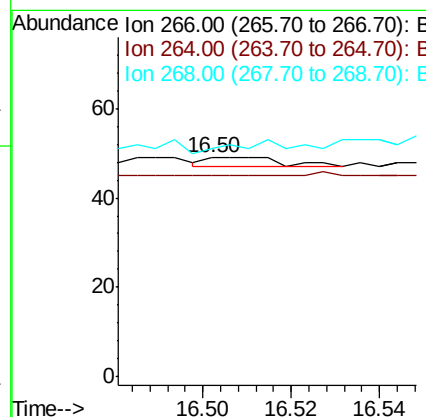
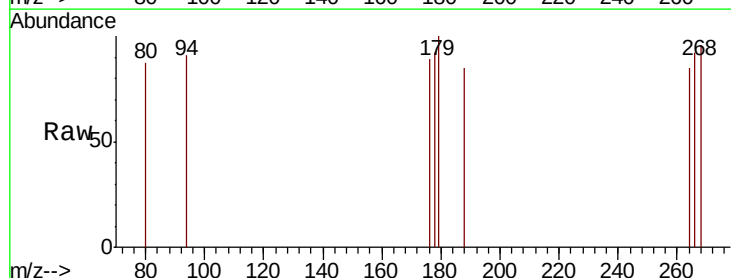
RT: 16.50 min Scan# 3549

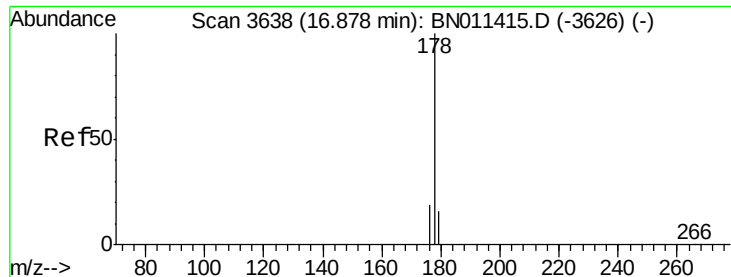
Delta R.T. -0.00 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Tgt Ion:266	Resp:	3
Ion Ratio	Lower	Upper
266 100		
264 0.0	51.4	77.2#
268 66.7	50.6	75.8





#12

Phenanthrene

Concen: 0.002 ng/ul

RT: 16.89 min Scan# 3642

Delta R.T. 0.02 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Instrument :

BNA_N

ClientSampleId :

SP5220

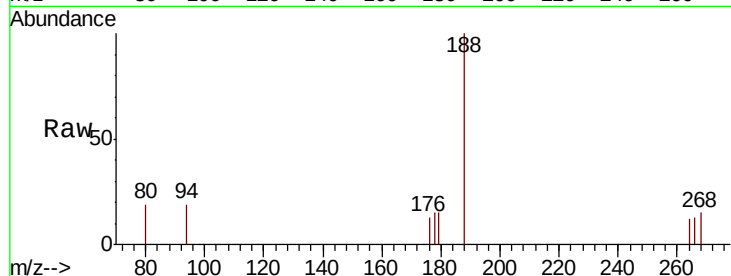
Tot Ion:178 Resp: 13

Ion Ratio Lower Upper

178 100

179 100.0 13.8 20.8#

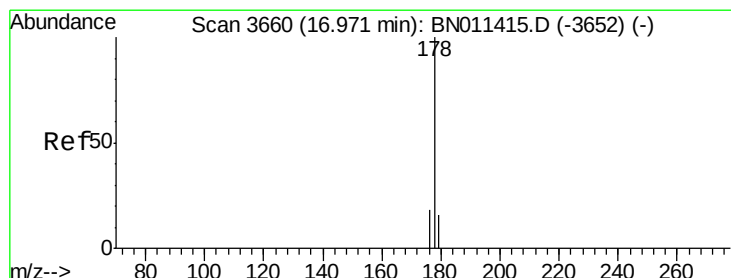
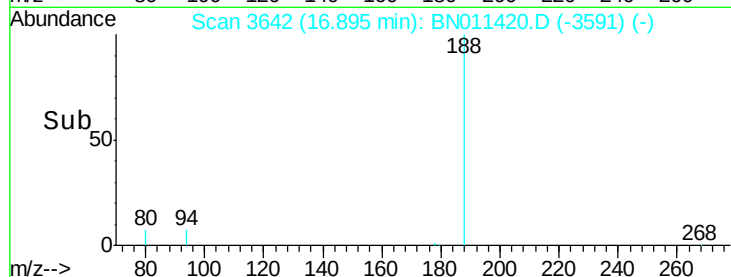
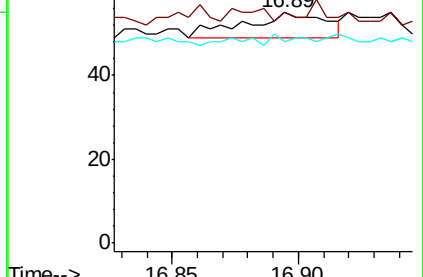
176 87.3 16.3 24.5#



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: 0.000 ng/ul

RT: 17.00 min Scan# 3666

Delta R.T. 0.03 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

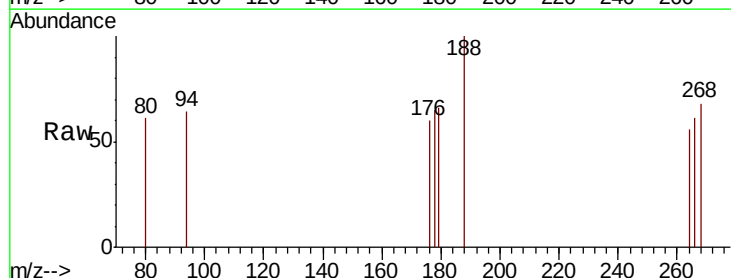
Tgt Ion:178 Resp: 3

Ion Ratio Lower Upper

178 100

179 101.9 14.2 21.2#

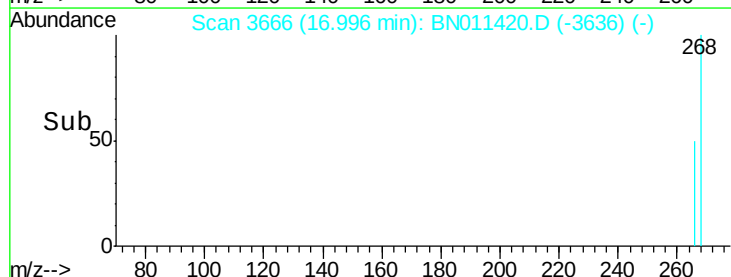
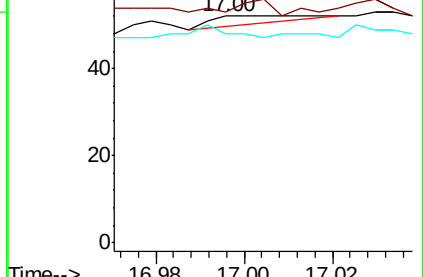
176 92.3 15.8 23.8#

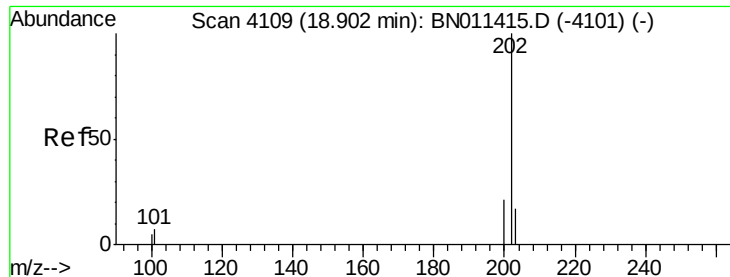


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.001 ng/ul

RT: 18.90 min Scan# 4109

Delta R.T. -0.00 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Instrument :

BNA_N

ClientSampleId :

SP5220

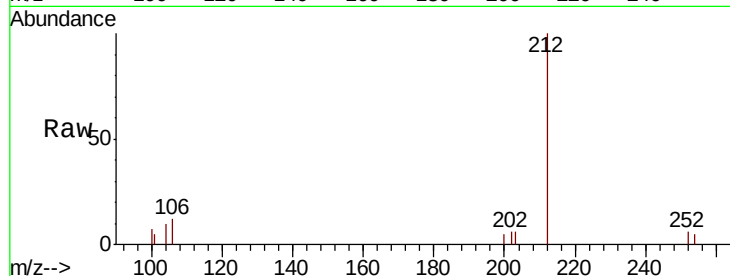
Tot Ion:202 Resp: 10

Ion Ratio Lower Upper

202 100

101 92.3 0.0 28.3#

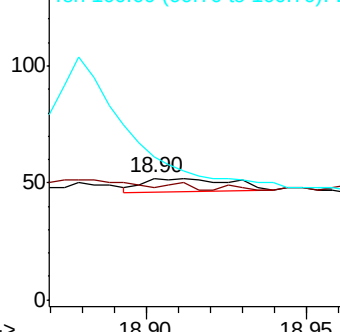
100 117.3 0.0 27.1#



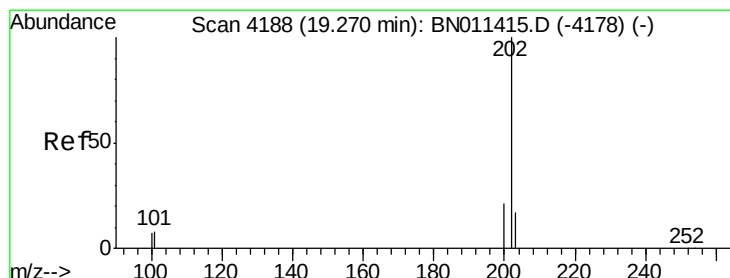
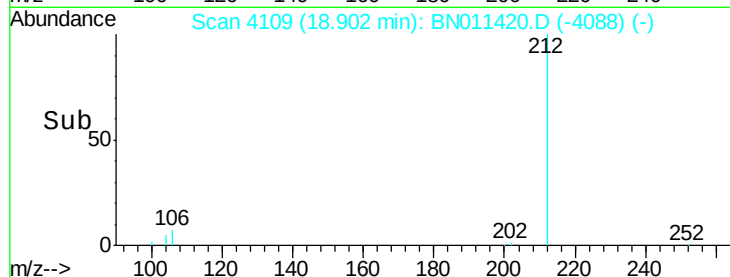
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#17

Pyrene

Concen: 0.003 ng/ul

RT: 19.29 min Scan# 4192

Delta R.T. 0.02 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

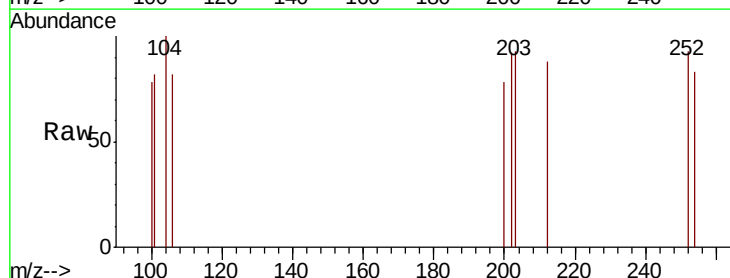
Tgt Ion:202 Resp: 20

Ion Ratio Lower Upper

202 100

101 89.1 7.3 10.9#

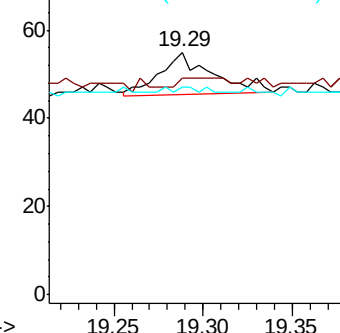
100 85.5 6.7 10.1#



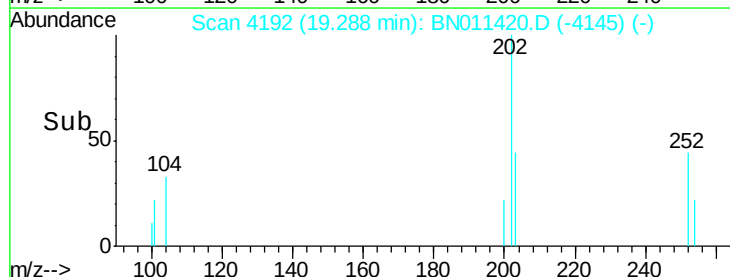
Abundance Ion 202.00 (201.70 to 202.70): E

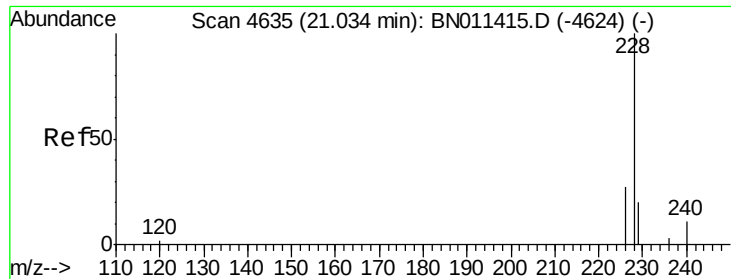
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#18

Benzo(a)anthracene

Concen: 0.003 ng/ul

RT: 21.06 min Scan# 4644

Delta R.T. 0.03 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Instrument :

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SP5220

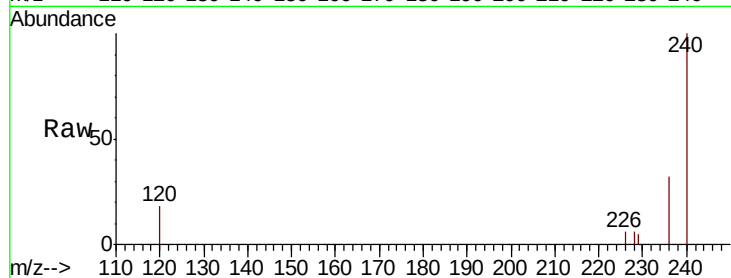
Tot Ion:228 Resp: 18

Ion Ratio Lower Upper

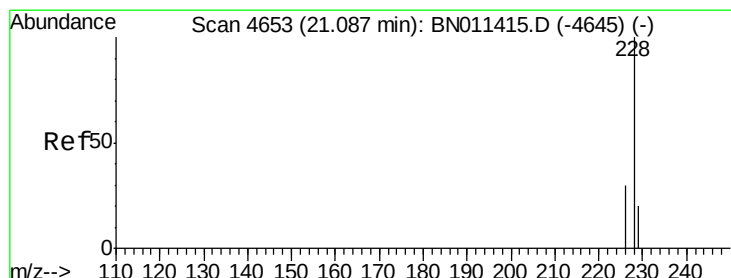
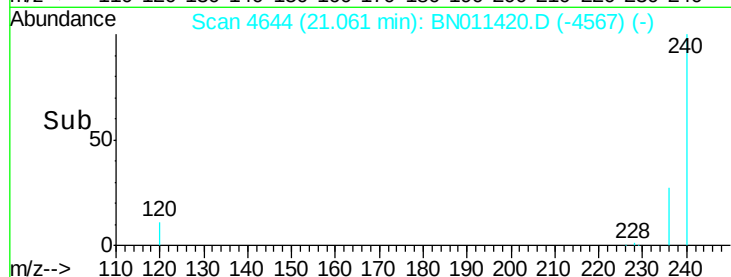
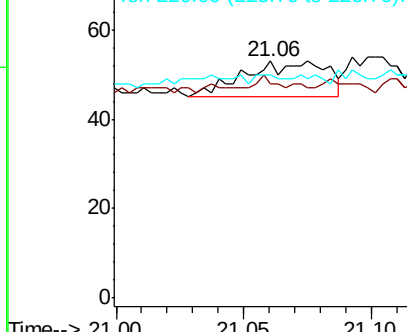
228 100

229 90.6 16.7 25.1#

226 94.3 22.9 34.3#



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: 0.002 ng/ul

RT: 21.09 min Scan# 4655

Delta R.T. 0.01 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

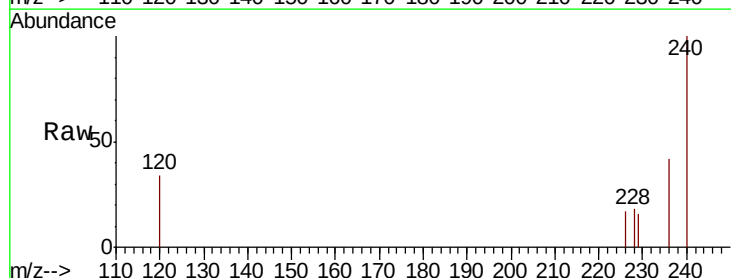
Tgt Ion:228 Resp: 20

Ion Ratio Lower Upper

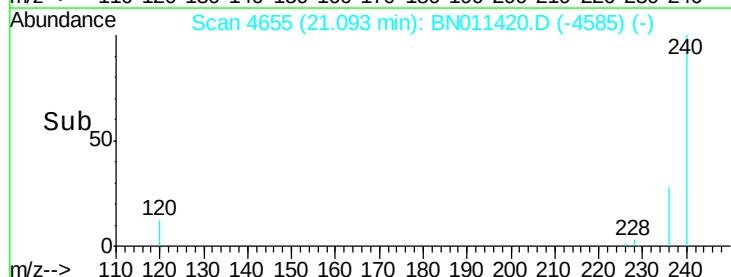
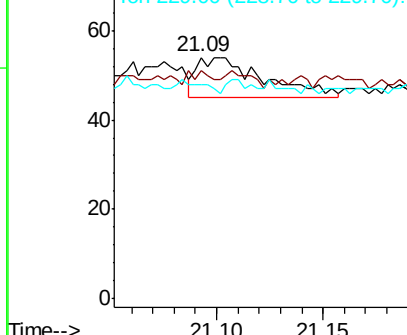
228 100

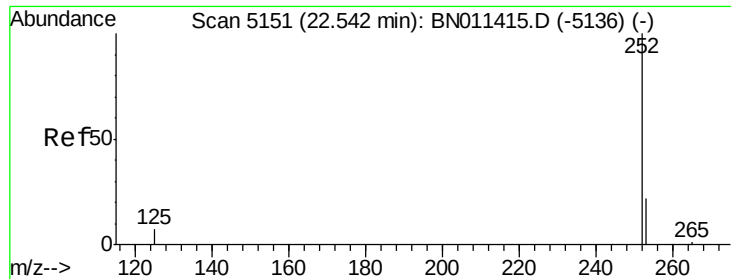
226 94.4 24.1 36.1#

229 88.9 16.4 24.6#



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: 0.001 ng/ul

RT: 22.55 min Scan# 5154

Delta R.T. 0.01 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Instrument :

BNA_N

ClientSampleId :

SP5220

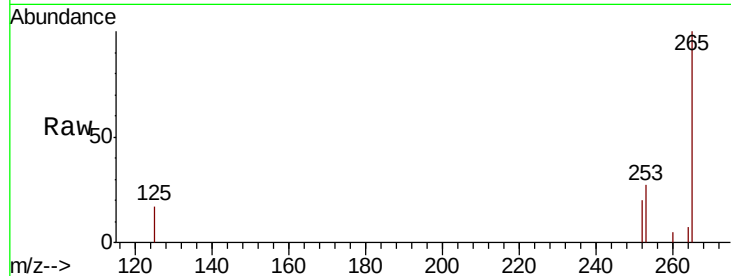
Tot Ion:252 Resp: 13

Ion Ratio Lower Upper

252 100

253 132.0 0.0 54.8#

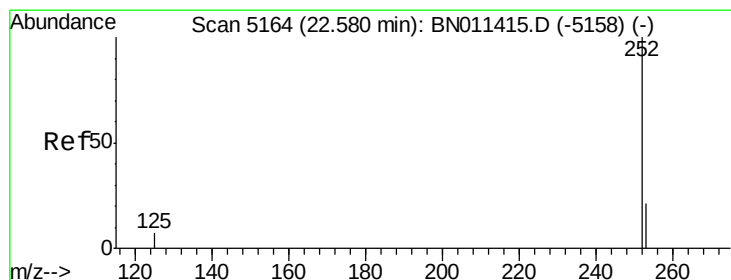
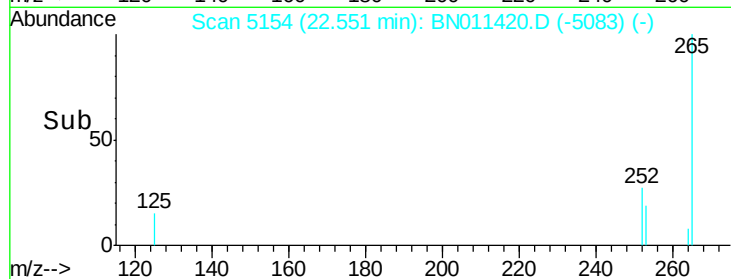
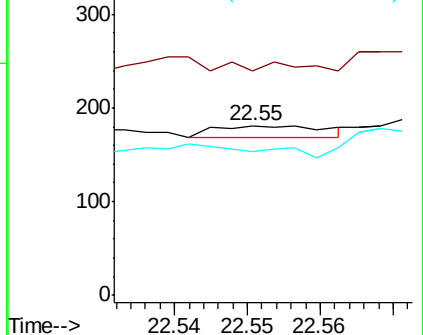
125 85.1 0.0 22.2#



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: 0.001 ng/ul

RT: 22.60 min Scan# 5171

Delta R.T. 0.02 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

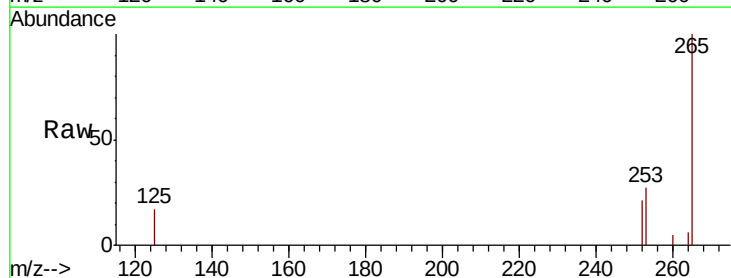
Tgt Ion:252 Resp: 12

Ion Ratio Lower Upper

252 100

253 128.9 21.8 32.6#

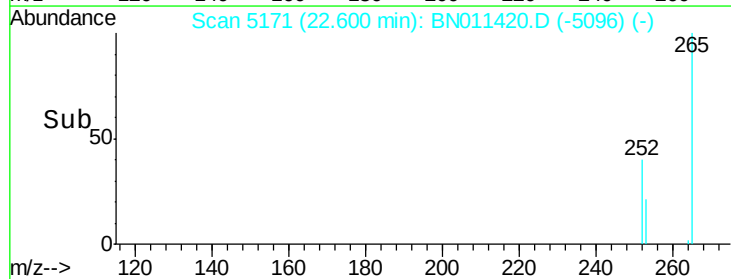
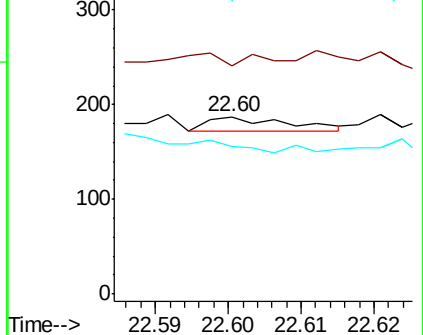
125 83.4 9.1 13.7#

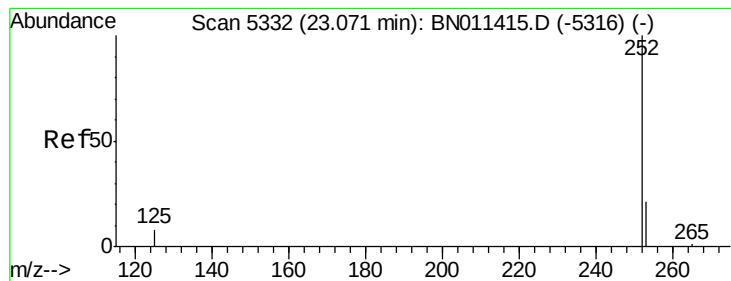


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.003 ng/ul

RT: 23.08 min Scan# 5334

Delta R.T. 0.01 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Instrument :

BNA_N

ClientSampleId :

SP5220

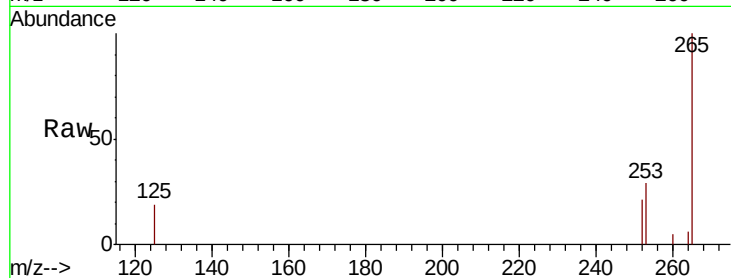
Tot Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 141.9 24.4 36.6#

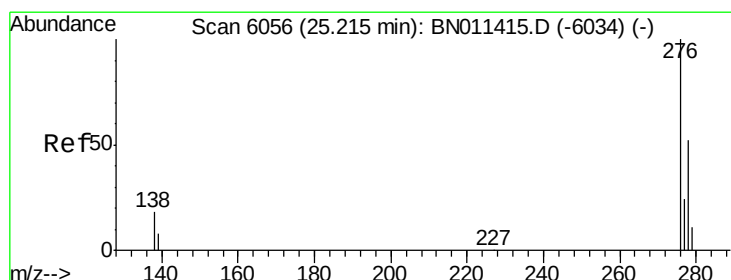
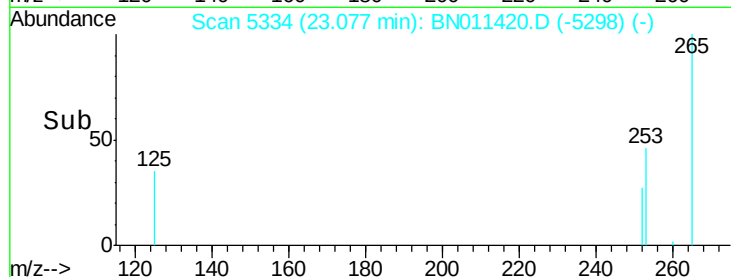
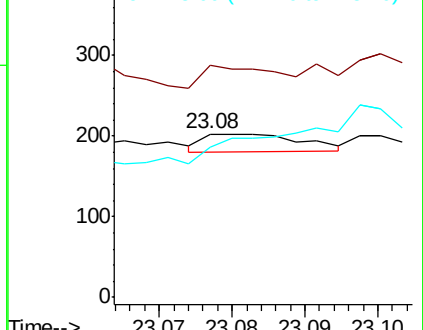
125 91.6 11.1 16.7#



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: 0.000 ng/ul

RT: 25.23 min Scan# 6061

Delta R.T. 0.02 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

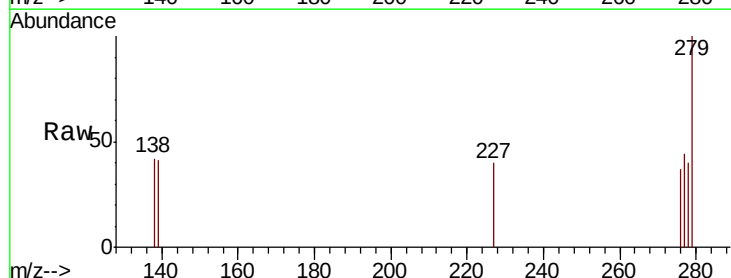
Tgt Ion:276 Resp: 2

Ion Ratio Lower Upper

276 100

138 200.0 15.8 23.6#

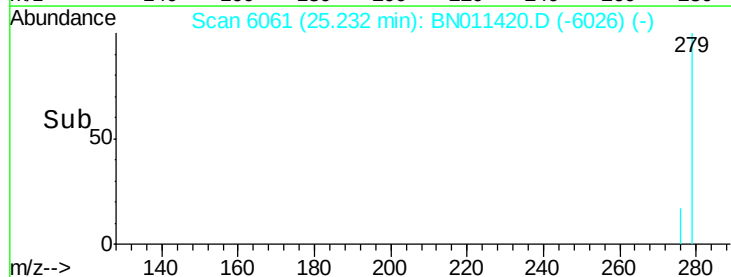
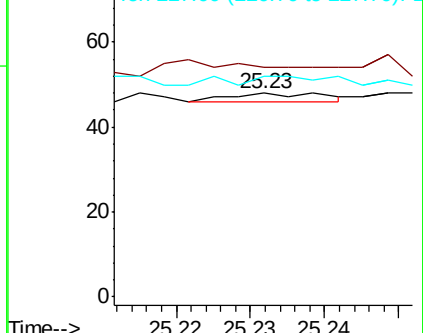
227 100.0 0.2 0.2#

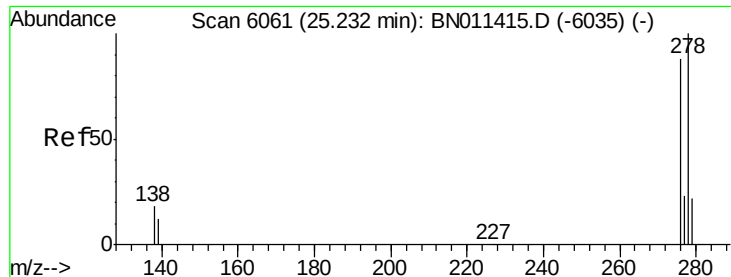


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.000 ng/ul

RT: 25.25 min Scan# 6067

Delta R.T. 0.02 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

Instrument :

BNA_N

ClientSampleId :

SP5220

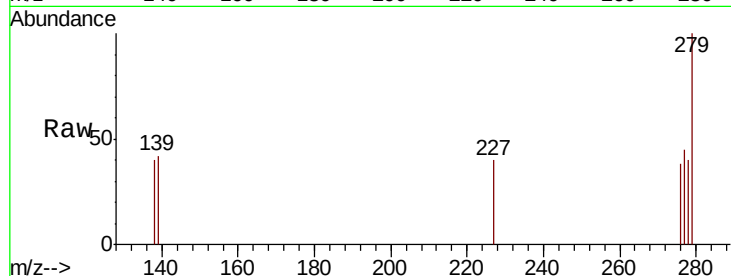
Tot Ion:278 Resp: 2

Ion Ratio Lower Upper

278 100

139 103.8 12.1 18.1#

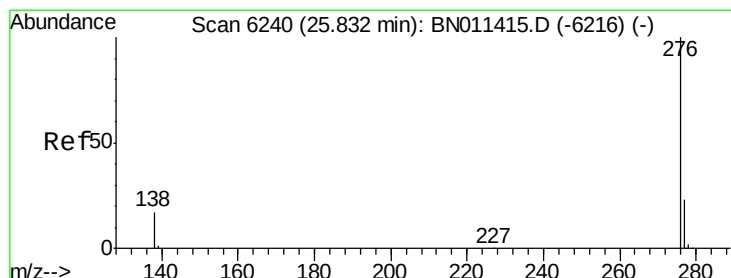
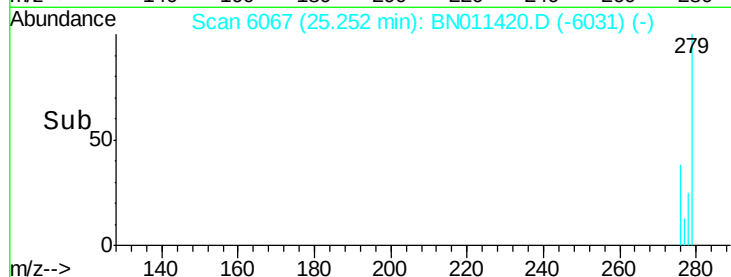
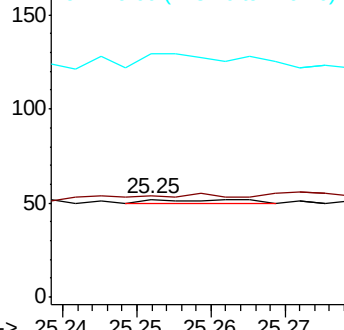
279 248.1 22.9 34.3#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.000 ng/ul

RT: 25.84 min Scan# 6243

Delta R.T. 0.01 min

Lab File: BN011420.D

Acq: 12 Aug 2020 14:54

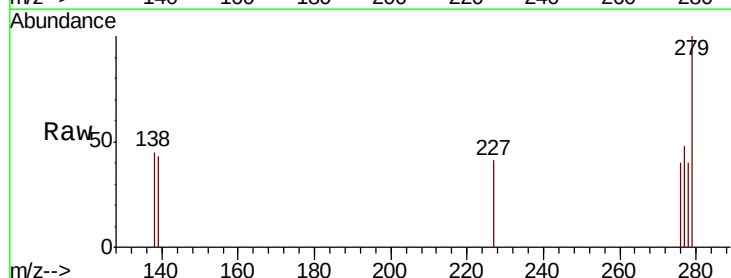
Tgt Ion:276 Resp: 1

Ion Ratio Lower Upper

276 100

138 114.3 15.8 23.6#

277 122.4 20.6 31.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

