

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101619\
 Data File : BN008208.D
 Acq On : 16 Oct 2019 20:56
 Operator : JU
 Sample : K5124-16DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 17 02:42:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 17 01:48:53 2019

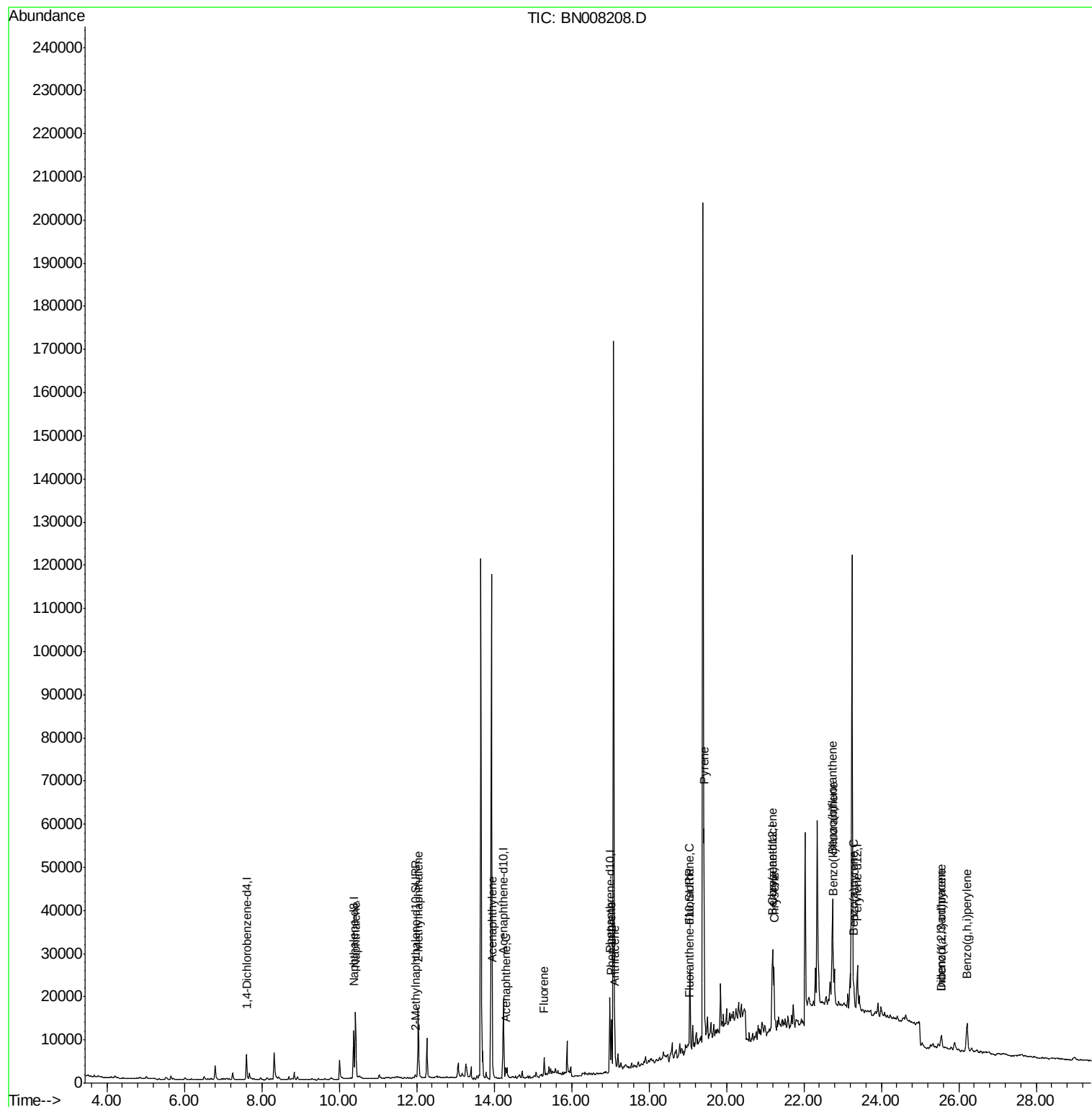
Response via : Initial Calibration

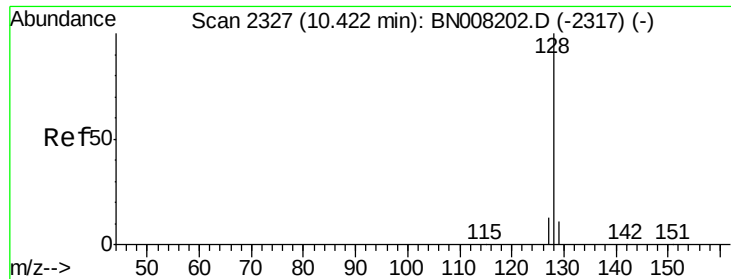
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3102	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	14952	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	9689	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	20575m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	14364	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	12013	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	1013	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	2622	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	21955	0.516	ng/ul	99
5) 2-Methylnaphthalene	12.04	142	13131	0.450	ng/ul	99
7) Acenaphthylene	13.96	152	1192	0.026	ng/ul#	67
8) Acenaphthene	14.31	153	1534m	0.043	ng/ul	
9) Fluorene	15.30	166	2139	0.052	ng/ul#	63
12) Phenanthrene	17.03	178	13696	0.227	ng/ul#	95
13) Anthracene	17.12	178	3172	0.060	ng/ul#	76
15) Fluoranthene	19.06	202	16474	0.207	ng/ul	92
17) Pyrene	19.42	202	41847	0.732	ng/ul#	95
18) Benzo(a)anthracene	21.18	228	7367	0.141	ng/ul#	42
19) Chrysene	21.23	228	12303	0.192	ng/ul#	67
21) Benzo(b)fluoranthene	22.73	252	14272m	0.365	ng/ul	
22) Benzo(k)fluoranthene	22.76	252	3095m	0.070	ng/ul	
23) Benzo(a)pyrene	23.28	252	5462	0.133	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.55	276	4471	0.092	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.54	278	2242	0.059	ng/ul#	1
26) Benzo(a,h,i)perylene	26.22	276	13344	0.300	ng/ul#	73

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

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#3

Naphthalene

Concen: 0.516 ng/ul

RT: 10.42 min Scan# 2327

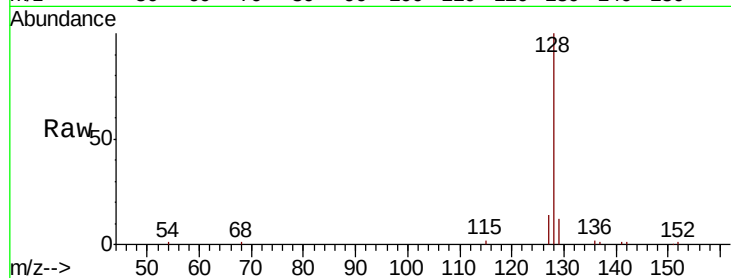
Delta R.T. 0.00 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

Tot Ion:128 Resp: 21955

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.8	14.8
127	13.5	11.1	16.7

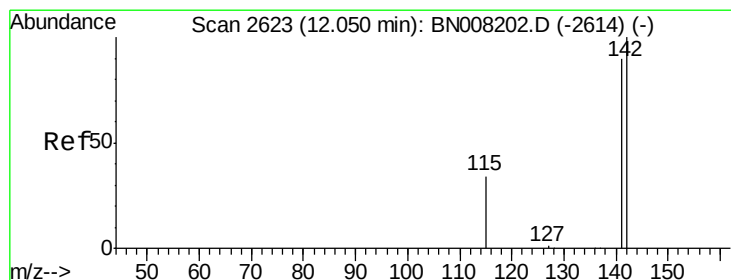
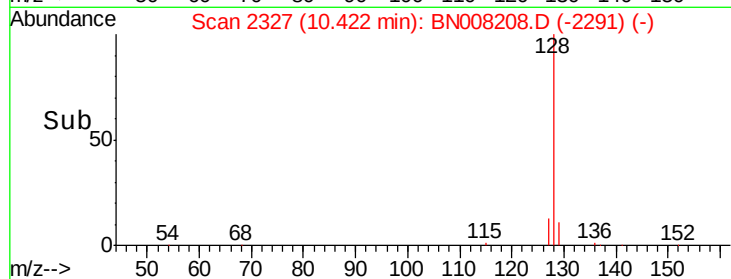
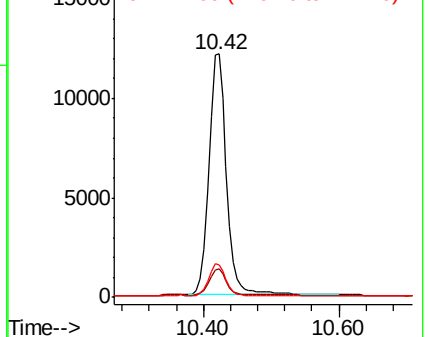


Abundance

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: 0.450 ng/ul

RT: 12.04 min Scan# 2622

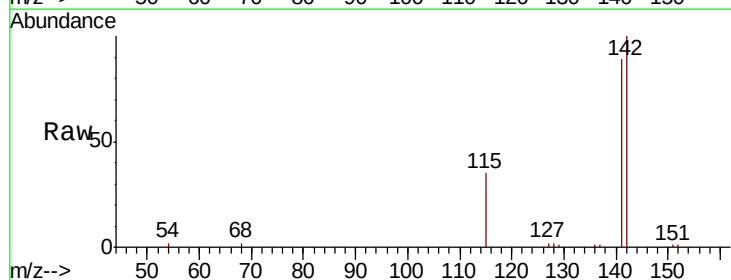
Delta R.T. -0.01 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

Tgt Ion:142 Resp: 13131

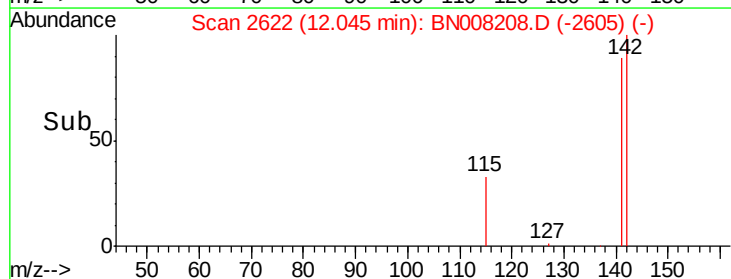
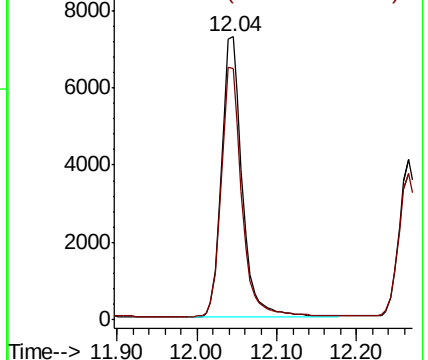
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.4	107.2

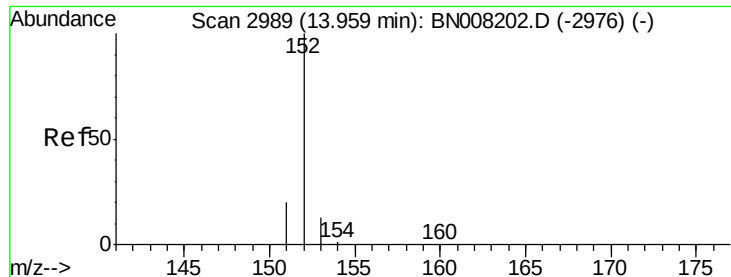


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.026 ng/ul

RT: 13.96 min Scan# 2989

Delta R.T. 0.00 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

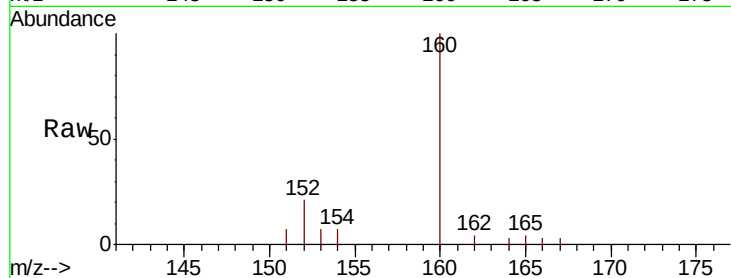
Tot Ion:152 Resp: 1192

Ion Ratio Lower Upper

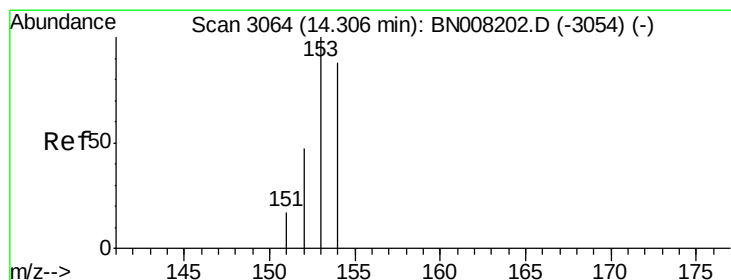
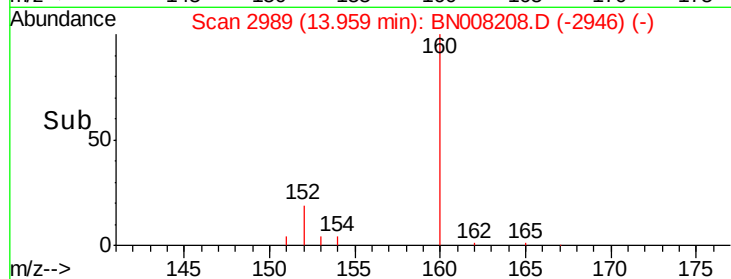
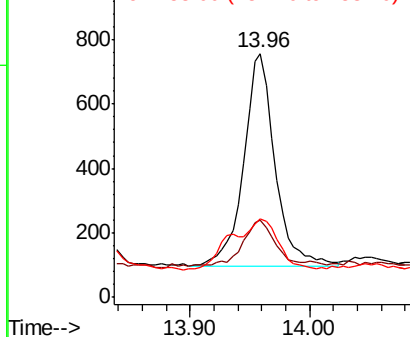
152 100

151 31.7 16.2 24.4#

153 32.1 11.0 16.4#



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: 0.043 ng/ul m

RT: 14.31 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

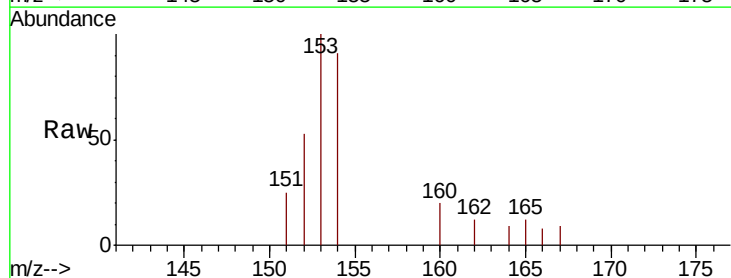
Tgt Ion:153 Resp: 1534

Ion Ratio Lower Upper

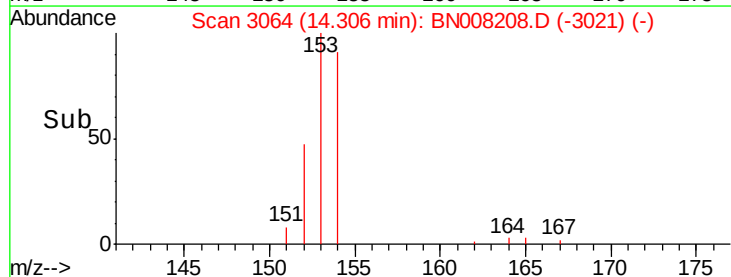
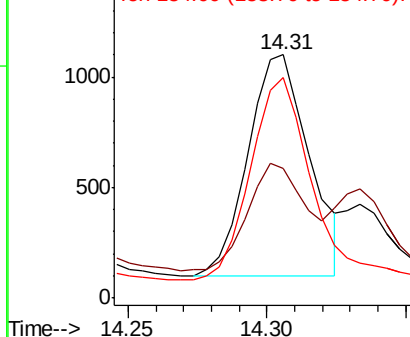
153 100

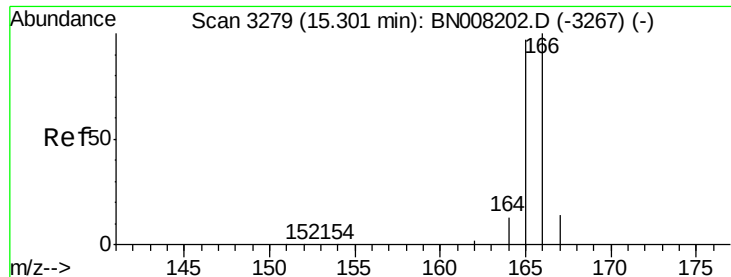
152 53.2 38.2 57.2

154 90.8 71.8 107.8



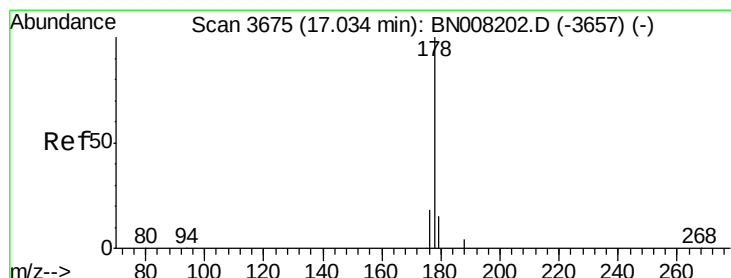
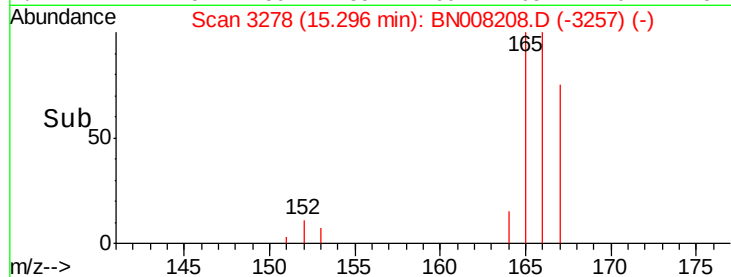
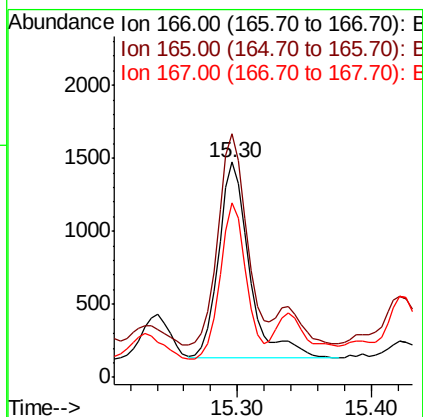
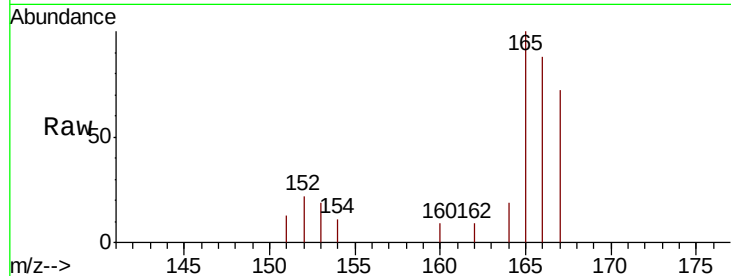
Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





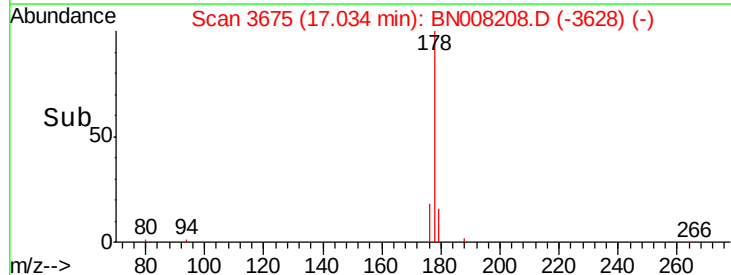
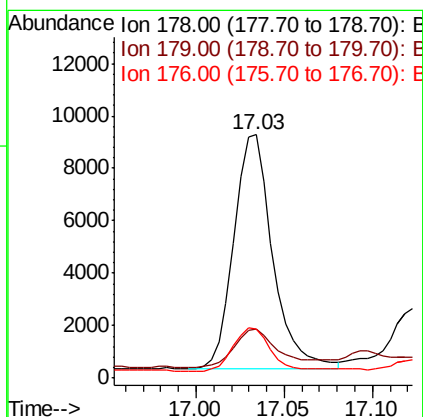
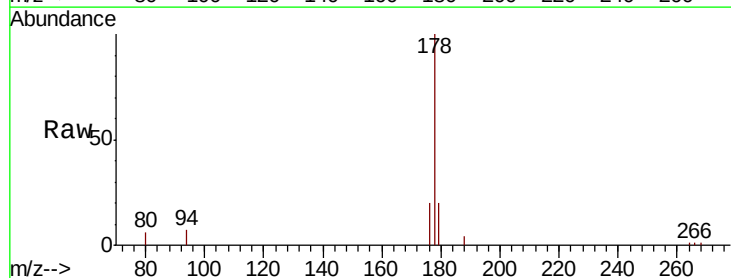
#9
Fluorene
 Concen: 0.052 ng/ul
 RT: 15.30 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: BN008208.D
 Acq: 16 Oct 2019 20:56

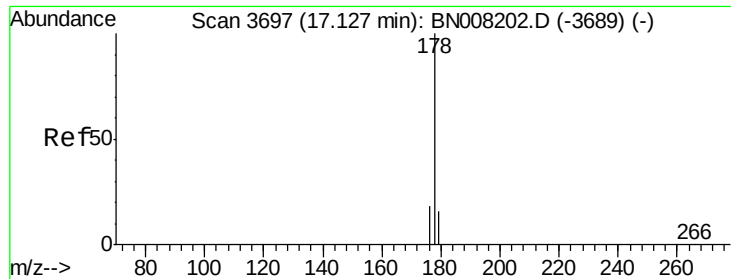
Tot Ion:166 Resp: 2139
 Ion Ratio Lower Upper
 166 100
 165 113.2 76.6 115.0
 167 81.1 11.7 17.5#



#12
Phenanthrene
 Concen: 0.227 ng/ul
 RT: 17.03 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: BN008208.D
 Acq: 16 Oct 2019 20:56

Tgt Ion:178 Resp: 13696
 Ion Ratio Lower Upper
 178 100
 179 20.0 12.8 19.2#
 176 20.2 15.4 23.2





#13

Anthracene

Concen: 0.060 ng/ul

RT: 17.12 min Scan# 3696

Delta R.T. -0.00 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

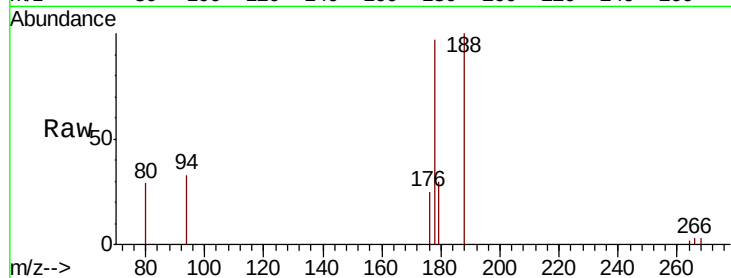
Tot Ion:178 Resp: 3172

Ion Ratio Lower Upper

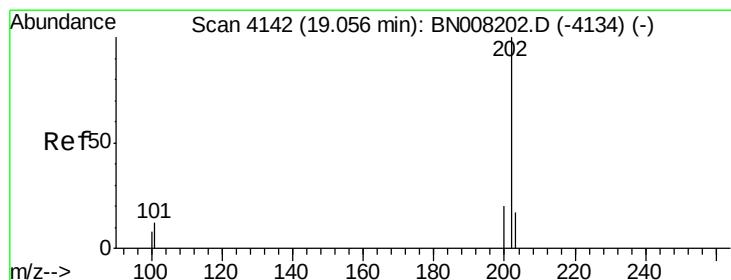
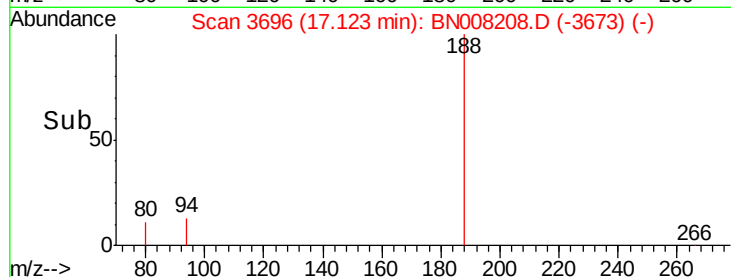
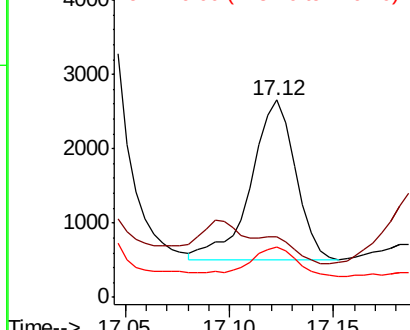
178 100

179 30.9 13.0 19.6#

176 25.7 15.0 22.6#



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: 0.207 ng/ul

RT: 19.06 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

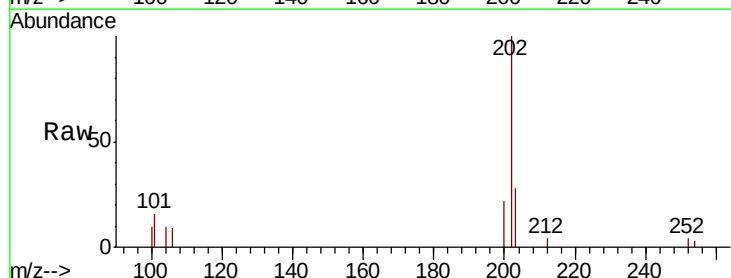
Tgt Ion:202 Resp: 16474

Ion Ratio Lower Upper

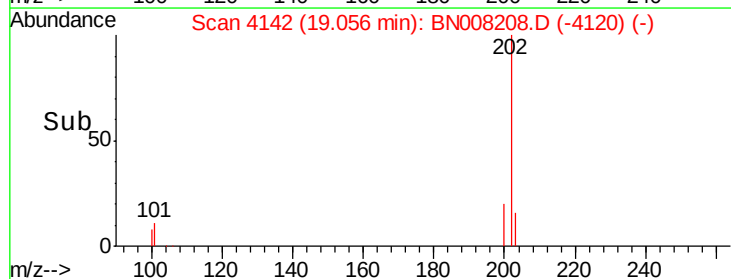
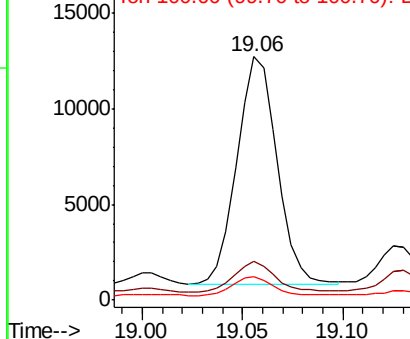
202 100

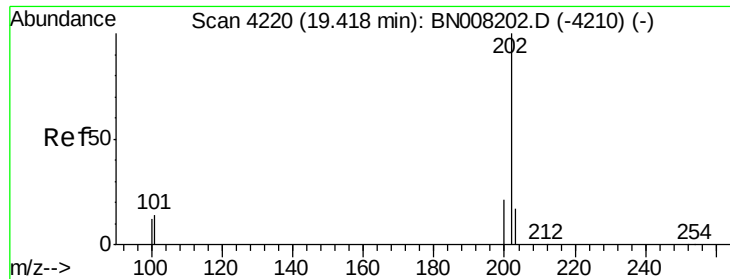
101 15.7 0.0 31.2

100 9.9 0.0 28.5



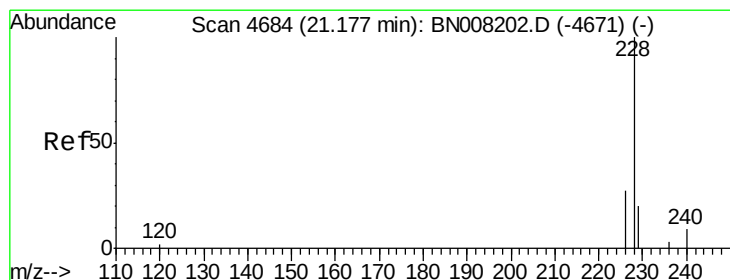
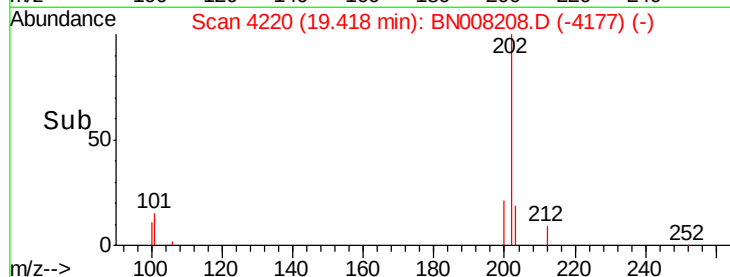
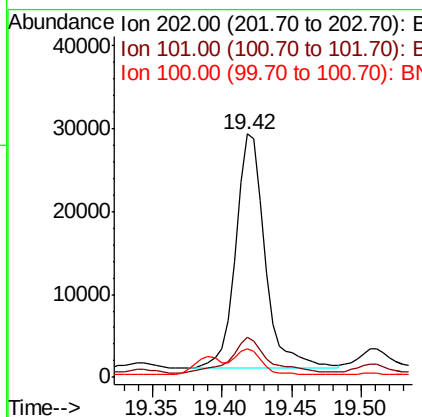
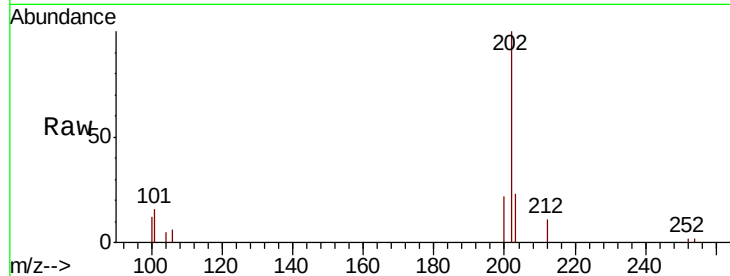
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





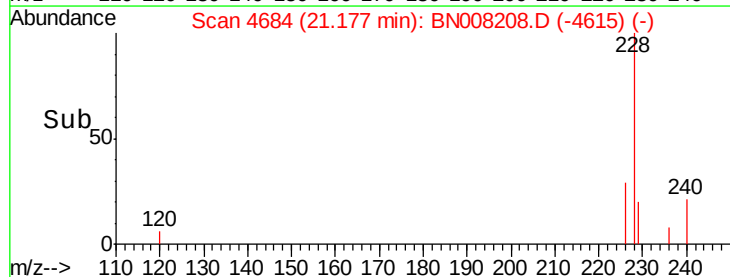
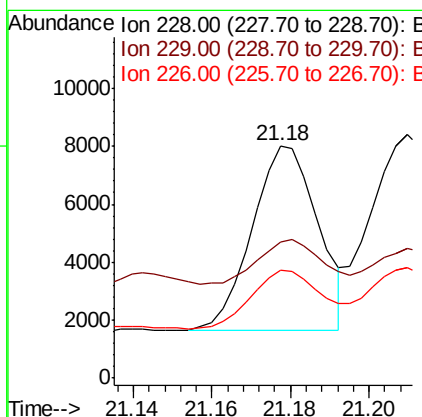
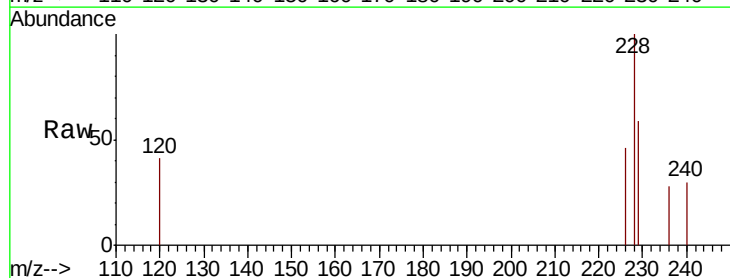
#17
Pvrene
Concen: 0.732 ng/ul
RT: 19.42 min Scan# 4220
Delta R.T. 0.00 min
Lab File: BN008208.D
Acq: 16 Oct 2019 20:56

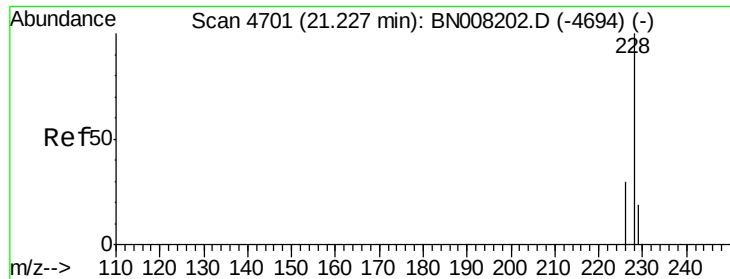
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.4	10.9	16.3#
100	12.0	8.7	13.1



#18
Benzo(a)anthracene
Concen: 0.141 ng/ul
RT: 21.18 min Scan# 4684
Delta R.T. 0.00 min
Lab File: BN008208.D
Acq: 16 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	58.7	16.2	24.2#
226	46.3	21.4	32.0#





#19

Chrysene

Concen: 0.192 ng/ul

RT: 21.23 min Scan# 4702

Delta R.T. 0.00 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

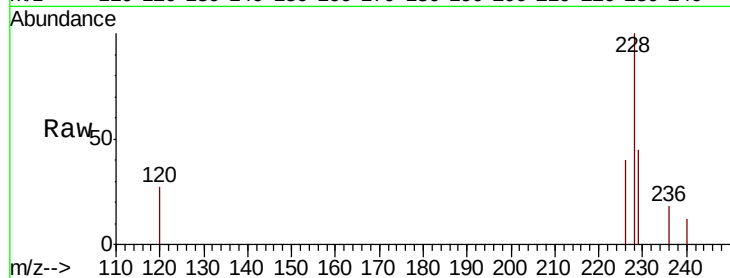
Tot Ion:228 Resp: 12303

Ion Ratio Lower Upper

228 100

226 40.2 24.1 36.1#

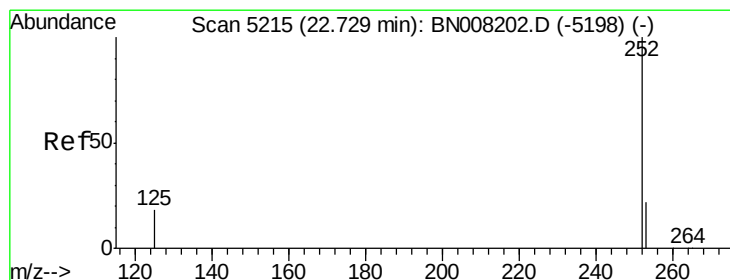
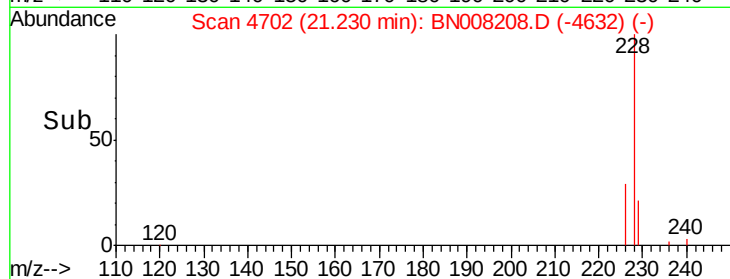
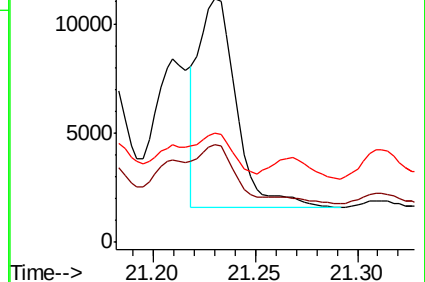
229 44.7 16.2 24.2#



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: 0.365 ng/ul m

RT: 22.73 min Scan# 5216

Delta R.T. 0.00 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

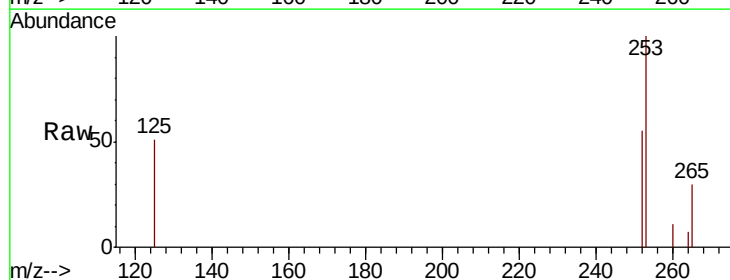
Tgt Ion:252 Resp: 14272

Ion Ratio Lower Upper

252 100

253 180.3 0.0 53.4#

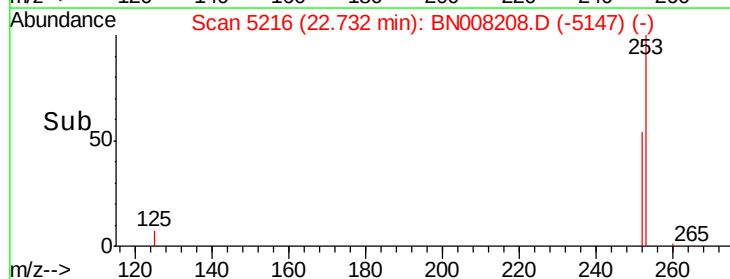
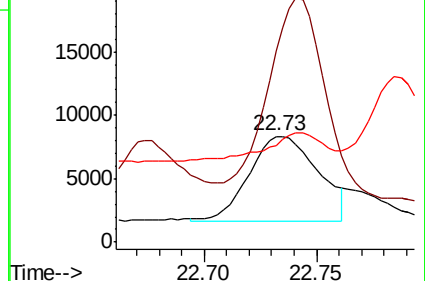
125 91.4 0.0 32.4#

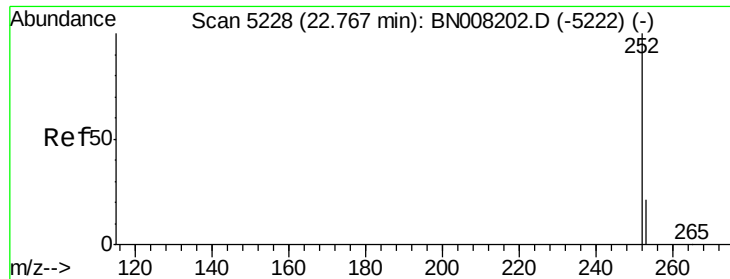


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.070 ng/ul m

RT: 22.76 min Scan# 5226

Delta R.T. -0.01 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

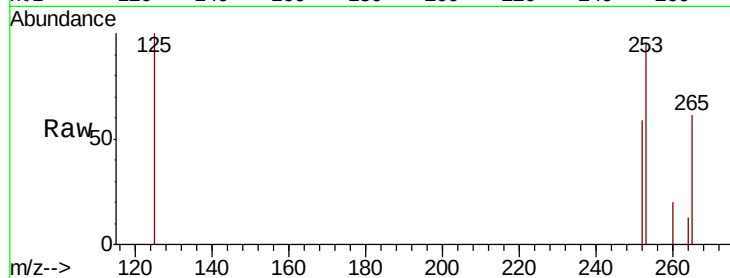
Tot Ion:252 Resp: 3095

Ion Ratio Lower Upper

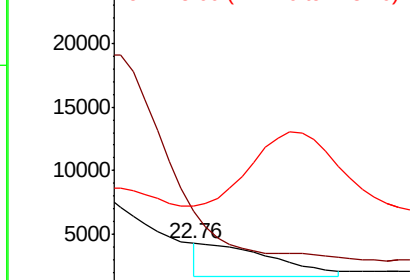
252 100

253 161.7 21.3 31.9#

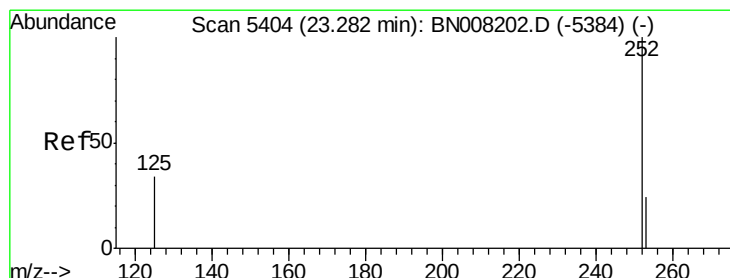
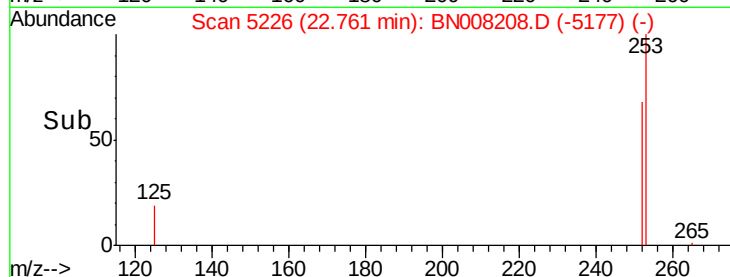
125 170.3 12.3 18.5#



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



Time-->



#23

Benzo(a)pyrene

Concen: 0.133 ng/ul

RT: 23.28 min Scan# 5405

Delta R.T. 0.00 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

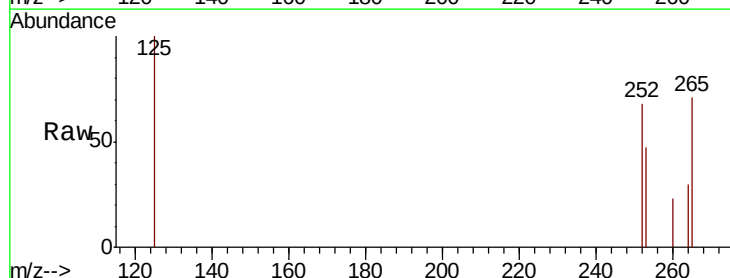
Tgt Ion:252 Resp: 5462

Ion Ratio Lower Upper

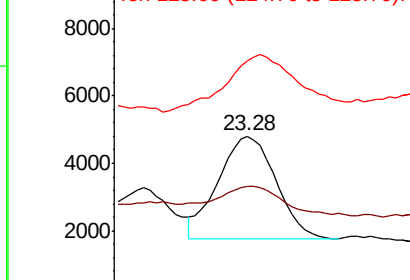
252 100

253 69.2 22.8 34.2#

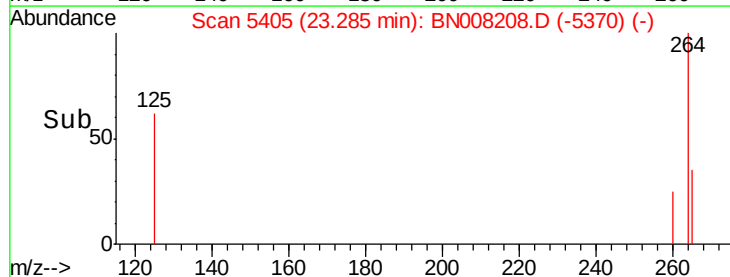
125 146.7 18.4 27.6#

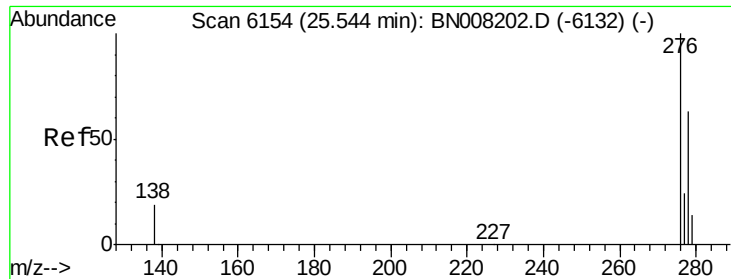


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



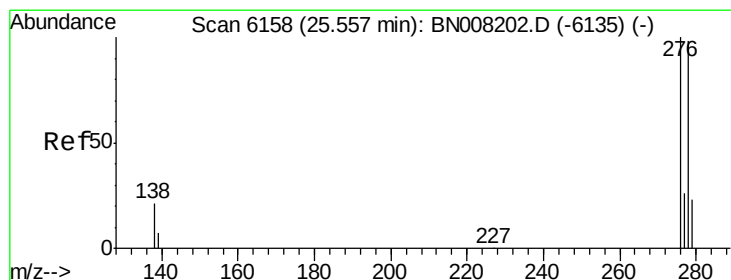
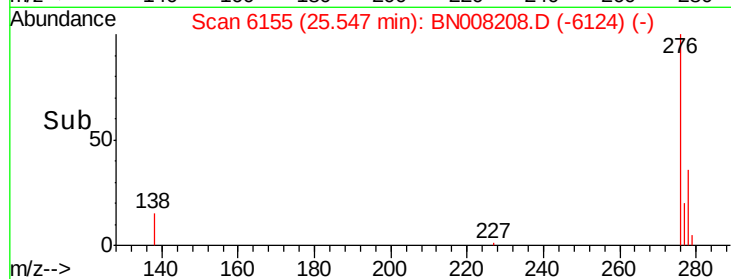
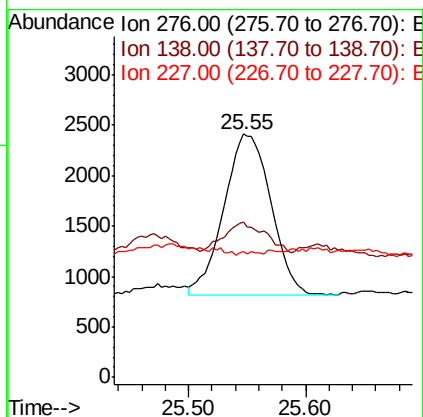
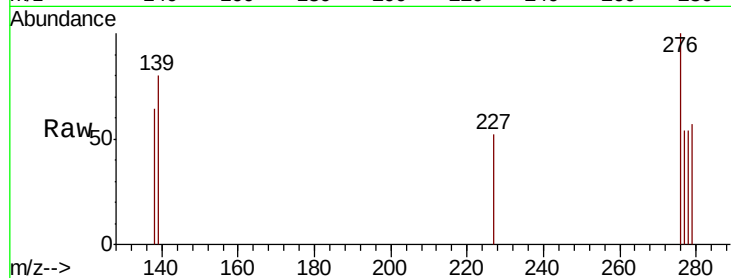
Time-->





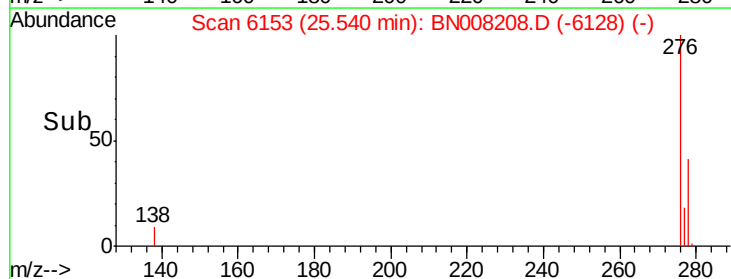
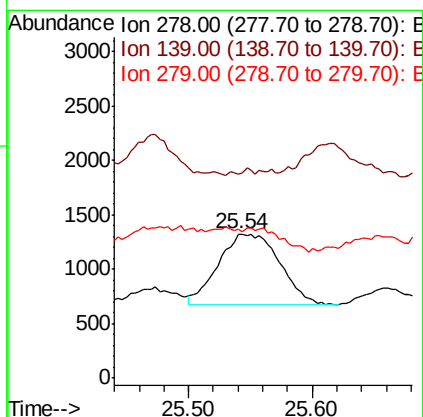
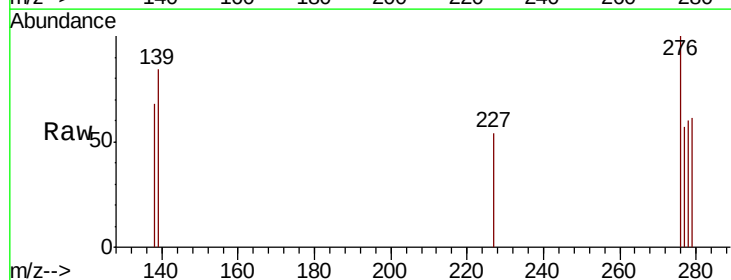
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.092 ng/ul
 RT: 25.55 min Scan# 6155
 Delta R.T. 0.00 min
 Lab File: BN008208.D
 Acq: 16 Oct 2019 20:56

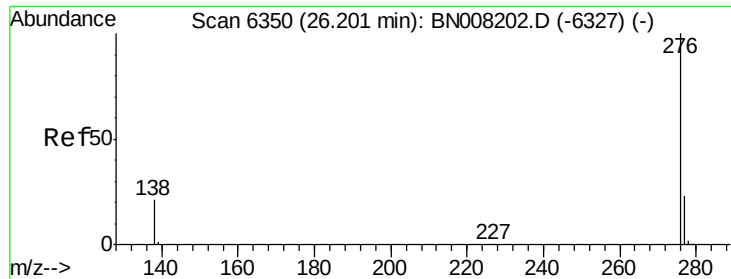
Tot Ion: 276 Resp: 4471
 Ion Ratio Lower Upper
 276 100
 138 16.3 16.1 24.1
 227 0.4 0.2 0.2#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.059 ng/ul
 RT: 25.54 min Scan# 6153
 Delta R.T. -0.02 min
 Lab File: BN008208.D
 Acq: 16 Oct 2019 20:56

Tgt Ion: 278 Resp: 2242
 Ion Ratio Lower Upper
 278 100
 139 141.5 15.0 22.6#
 279 103.1 22.4 33.6#





#26

Benzo(a,h,i)perylene

Concen: 0.300 ng/ul

RT: 26.22 min Scan# 6355

Delta R.T. 0.02 min

Lab File: BN008208.D

Acq: 16 Oct 2019 20:56

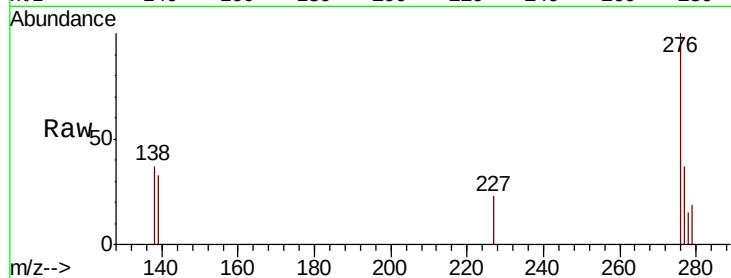
Tot Ion: 276 Resp: 13344

Ion Ratio Lower Upper

276 100

138 36.9 17.0 25.4#

277 36.7 20.4 30.6#



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

