

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009229.D
 Acq On : 28 Dec 2019 15:42
 Operator : JU
 Sample : K6278-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 03:38:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 29 03:34:38 2019
 Response via : Initial Calibration

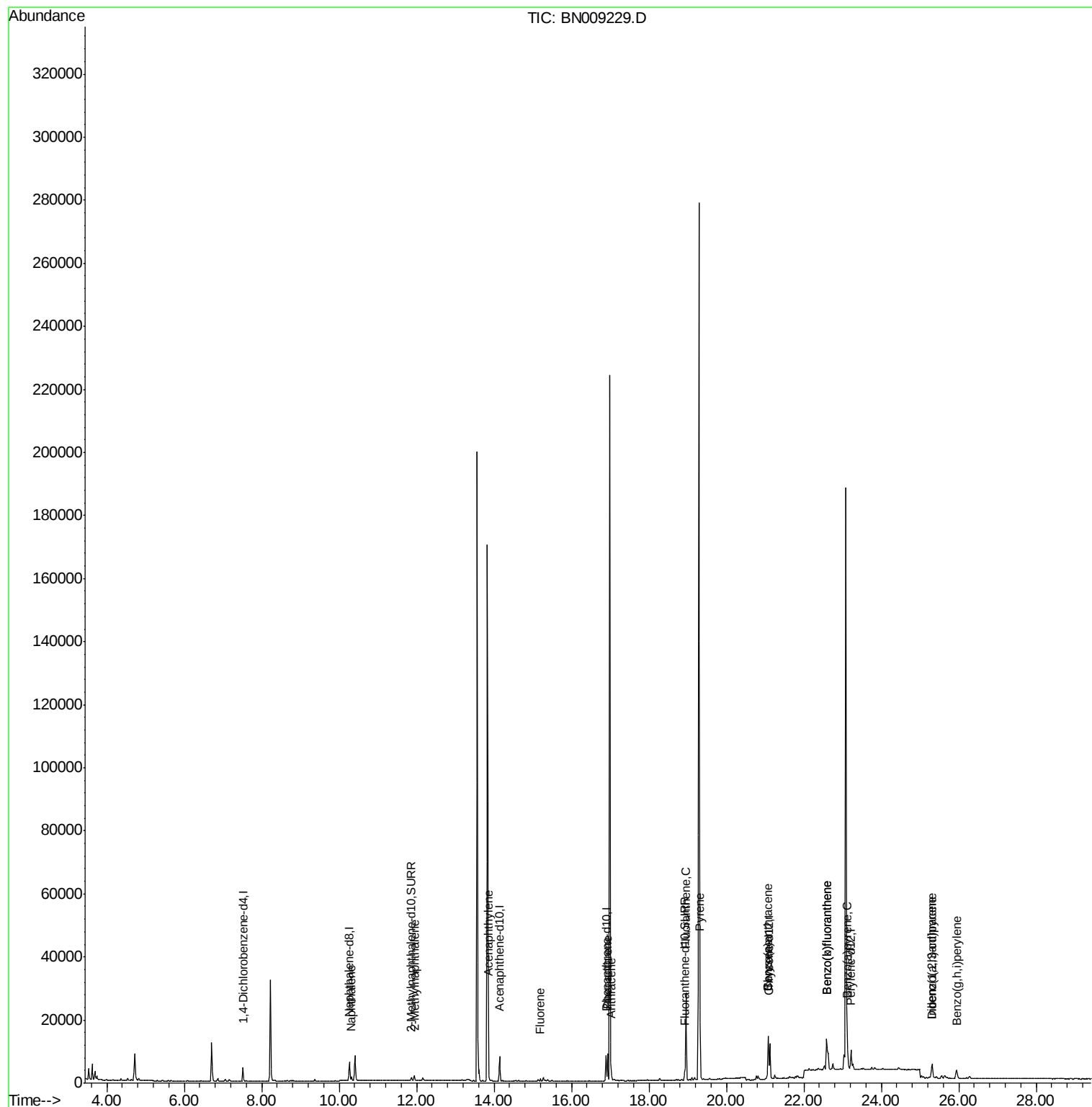
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2019	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	7632	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4249	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8791	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	6851	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	7227	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1479	0.11	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	3293	0.13	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	1791	0.077	ng/ul#	88
5) 2-Methylnaphthalene	11.94	142	1309	0.075	ng/ul	98
7) Acenaphthylene	13.86	152	1299	0.058	ng/ul#	86
9) Fluorene	15.20	166	459	0.022	ng/ul#	85
12) Phenanthrene	16.93	178	8991	0.294	ng/ul	98
13) Anthracene	17.02	178	2078	0.076	ng/ul#	89
15) Fluoranthene	18.95	202	22638	0.647	ng/ul	99
17) Pyrene	19.32	202	17605	0.504	ng/ul	99
18) Benzo(a)anthracene	21.07	228	10198	0.335	ng/ul	94
19) Chrysene	21.07	228	10198	0.334	ng/ul	97
21) Benzo(b)fluoranthene	22.59	252	19772	0.586	ng/ul	87
22) Benzo(k)fluoranthene	22.59	252	19772	0.581	ng/ul#	88
23) Benzo(a)pyrene	23.12	252	8353	0.282	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.31	276	6365	0.198	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.32	278	1748	0.068	ng/ul#	25
26) Benzo(a,h,i)perylene	25.95	276	5118	0.189	ng/ul#	85

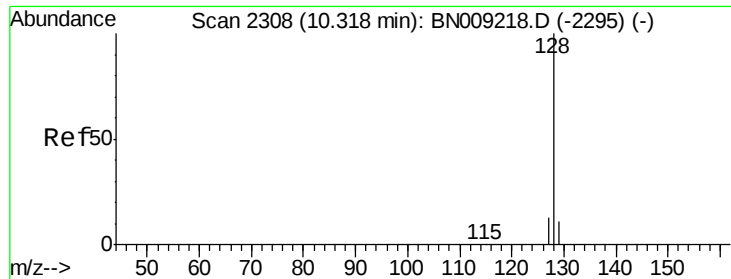
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.077 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

Instrument :

BNA_N

ClientSampleId :

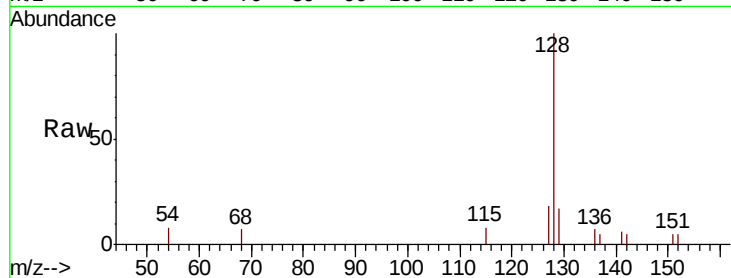
Tot Ion:128 Resp: 1791

Ion Ratio Lower Upper

128 100

129 16.5 9.0 13.4#

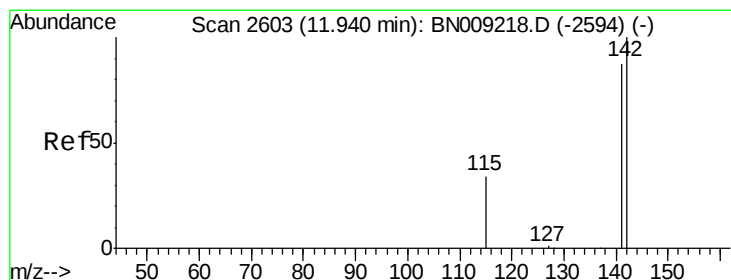
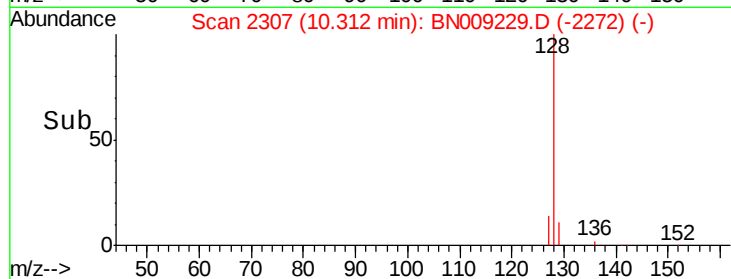
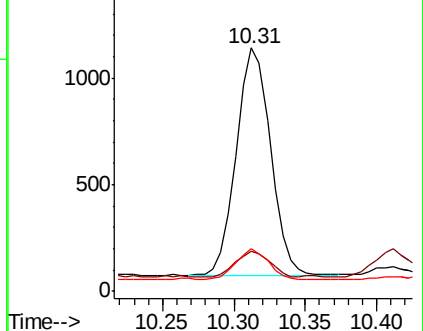
127 17.7 10.9 16.3#



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: 0.075 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. -0.00 min

Lab File: BN009229.D

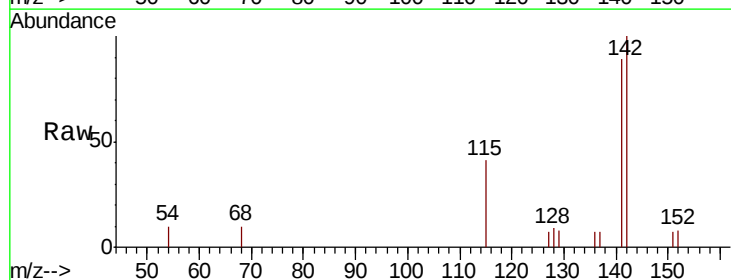
Acq: 28 Dec 2019 15:42

Tgt Ion:142 Resp: 1309

Ion Ratio Lower Upper

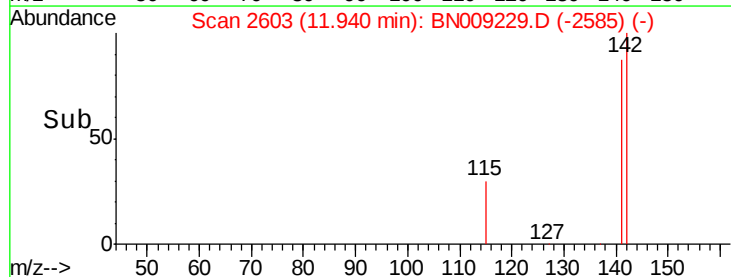
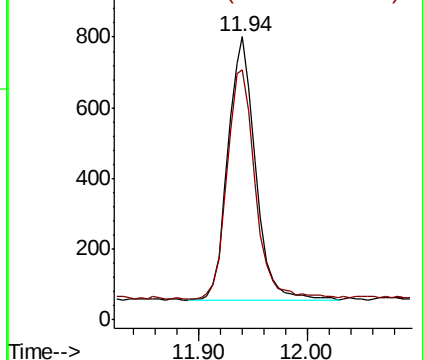
142 100

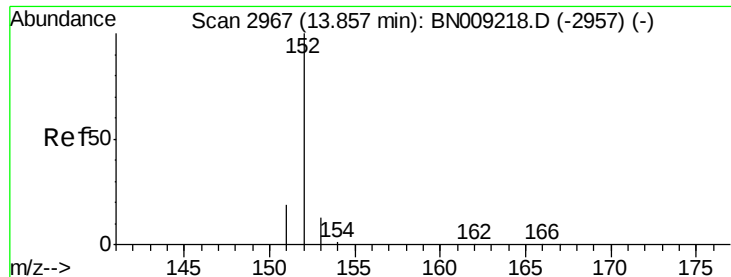
141 89.5 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.058 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

Instrument :

BNA_N

ClientSampled :

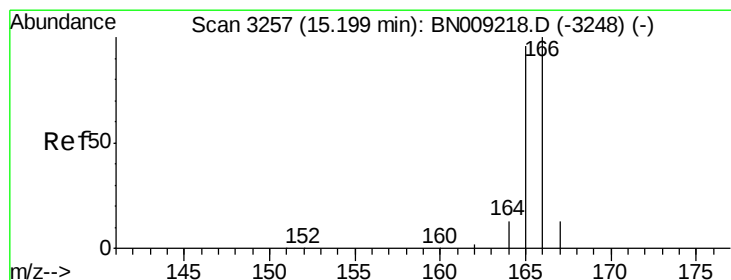
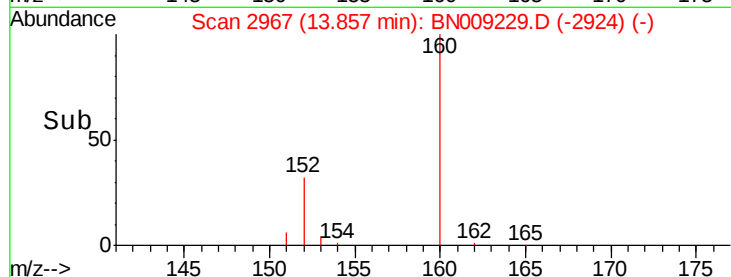
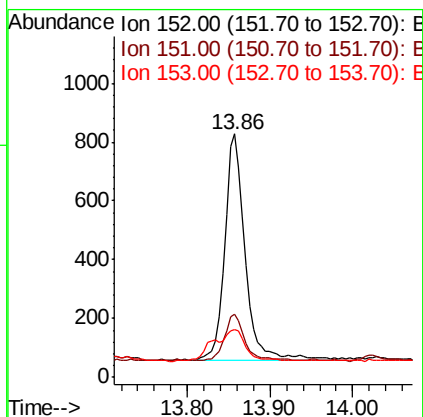
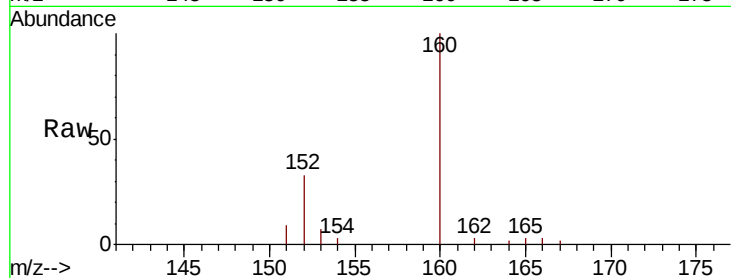
Tot Ion:152 Resp: 1299

Ion Ratio Lower Upper

152 100

151 25.8 15.7 23.5#

153 19.6 10.8 16.2#



#9

Fluorene

Concen: 0.022 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. 0.00 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

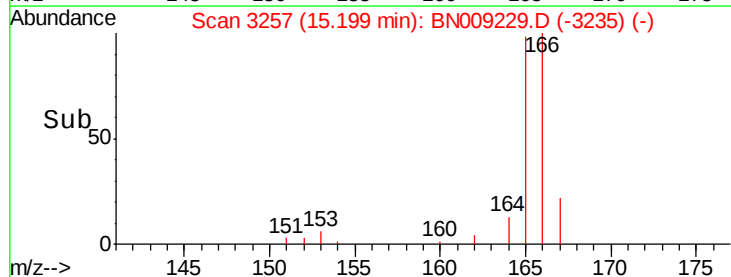
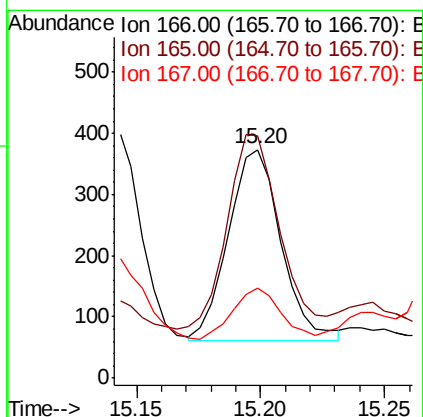
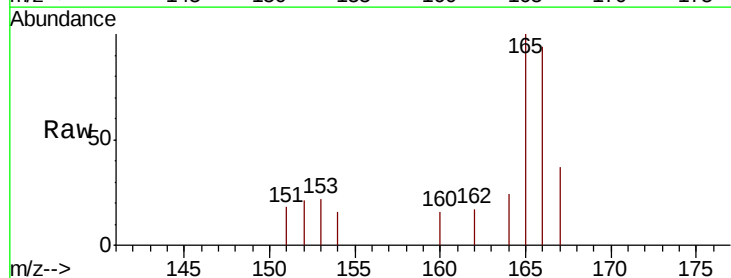
Tgt Ion:166 Resp: 459

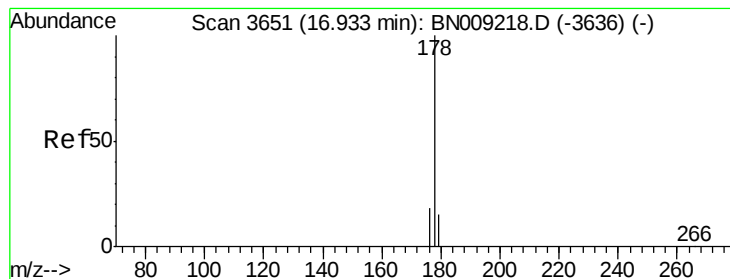
Ion Ratio Lower Upper

166 100

165 106.2 78.2 117.4

167 39.7 11.0 16.6#





#12

Phenanthrene

Concen: 0.294 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

Instrument :

BNA_N

ClientSampleId :

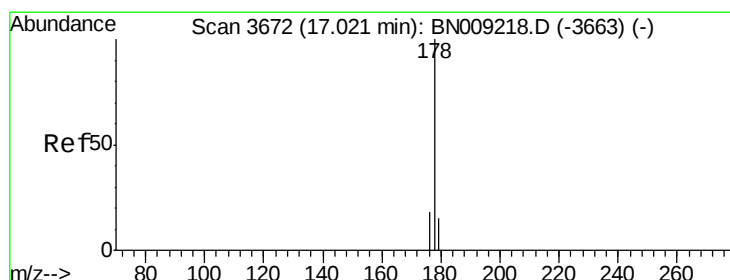
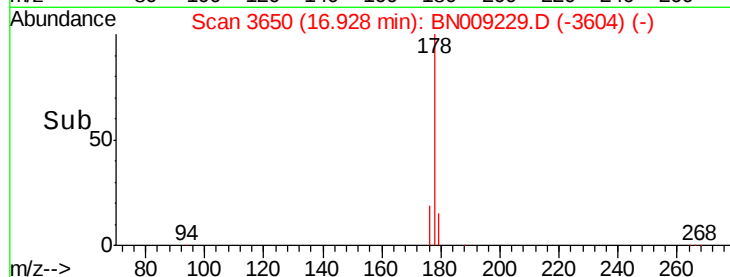
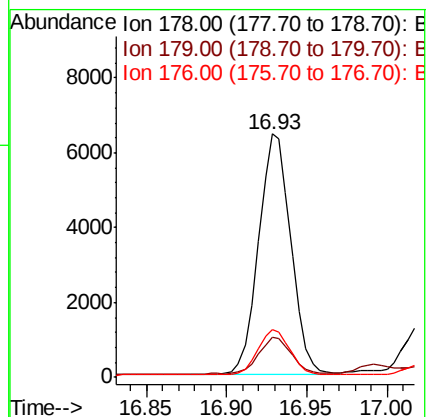
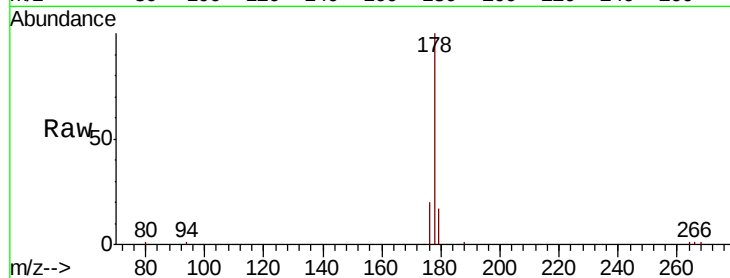
Tot Ion:178 Resp: 8991

Ion Ratio Lower Upper

178 100

179 16.6 12.3 18.5

176 19.6 15.1 22.7



#13

Anthracene

Concen: 0.076 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

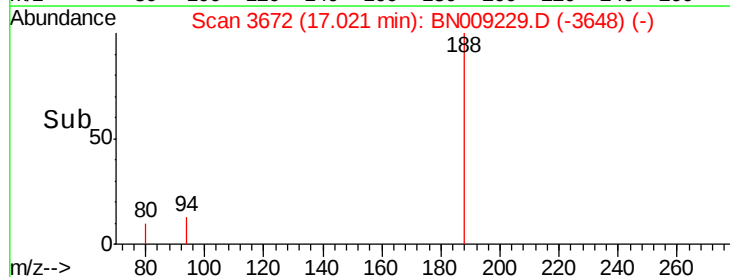
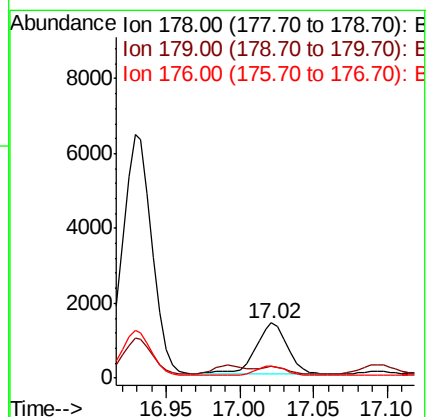
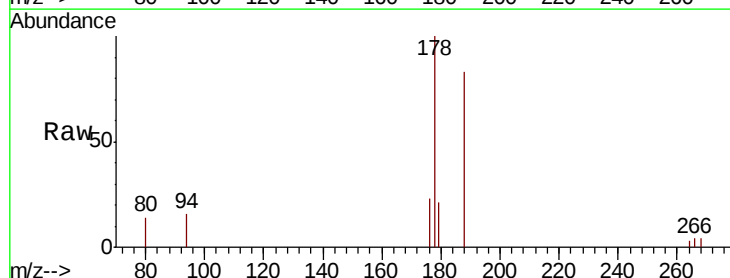
Tgt Ion:178 Resp: 2078

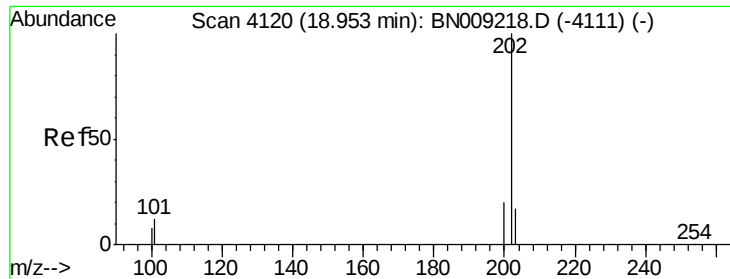
Ion Ratio Lower Upper

178 100

179 21.5 12.5 18.7#

176 22.8 14.9 22.3#

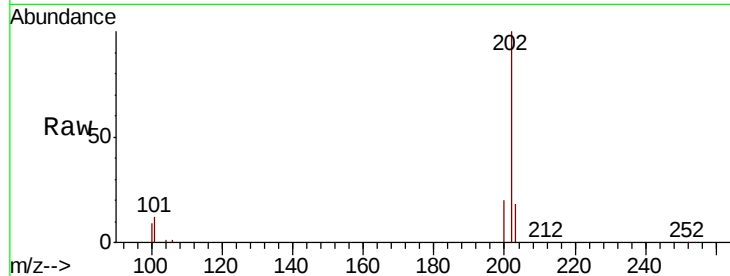




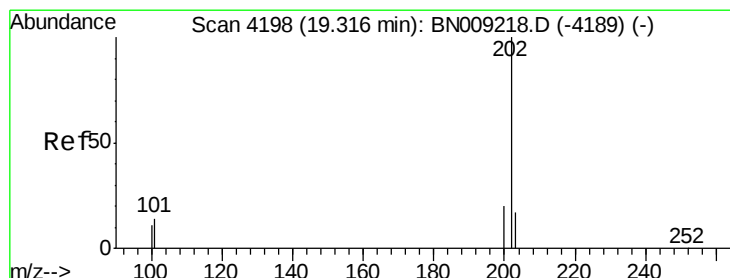
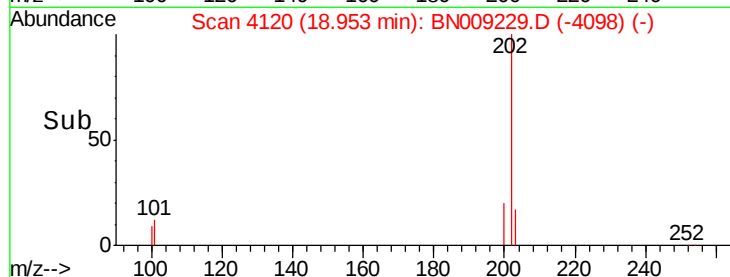
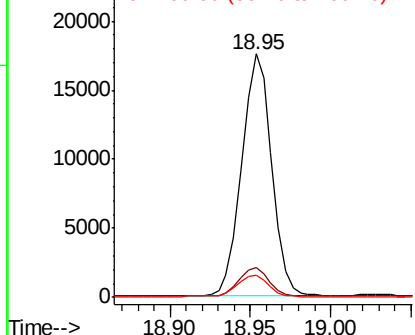
#15
 Fluoranthene
 Concen: 0.647 ng/ul
 RT: 18.95 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: BN009229.D
 Acq: 28 Dec 2019 15:42

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 22638
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.5
 100 8.9 0.0 28.9

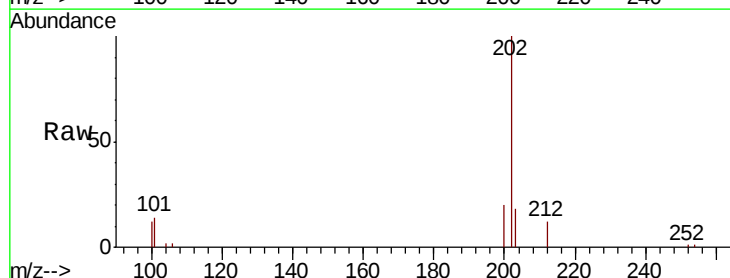


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

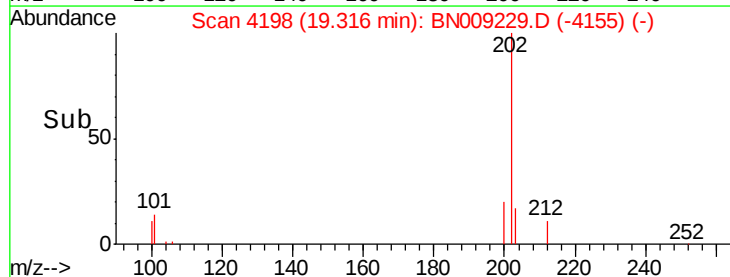
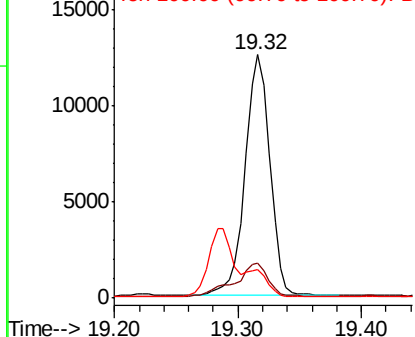


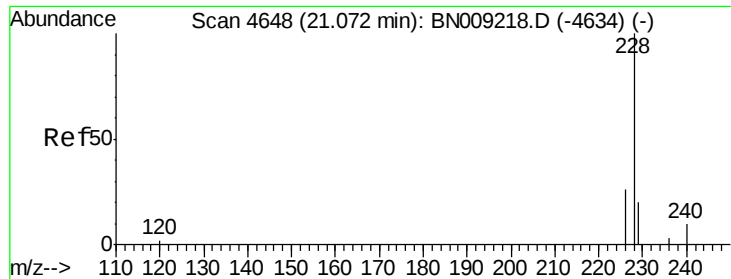
#17
 Pyrene
 Concen: 0.504 ng/ul
 RT: 19.32 min Scan# 4198
 Delta R.T. 0.00 min
 Lab File: BN009229.D
 Acq: 28 Dec 2019 15:42

Tgt Ion:202 Resp: 17605
 Ion Ratio Lower Upper
 202 100
 101 14.2 10.9 16.3
 100 11.5 9.0 13.6



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: 0.335 ng/ul

RT: 21.07 min Scan# 4648

Delta R.T. 0.00 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

Instrument :

BNA_N

ClientSampled :

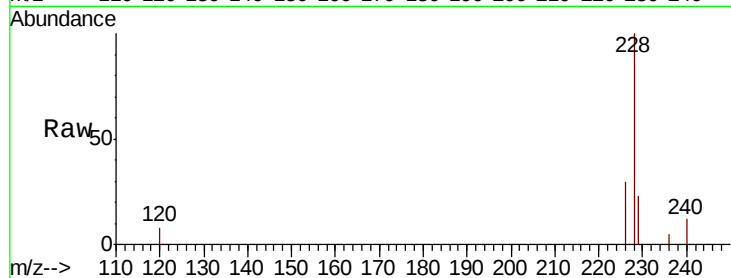
Tot Ion:228 Resp: 10198

Ion Ratio Lower Upper

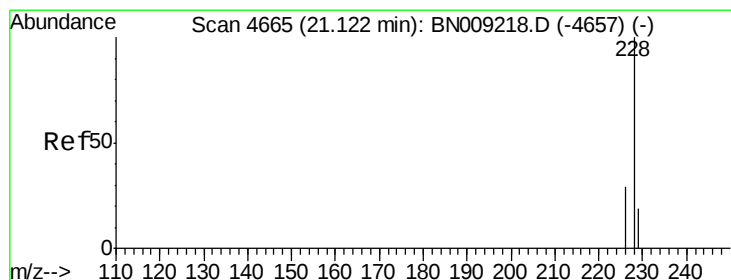
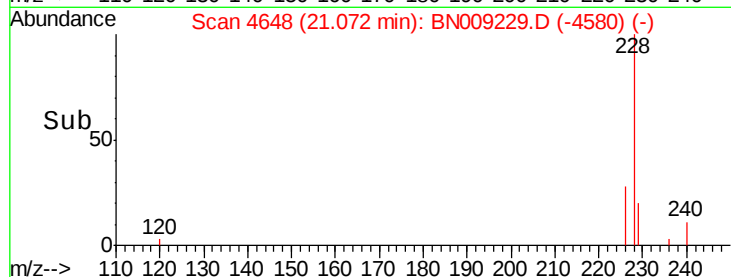
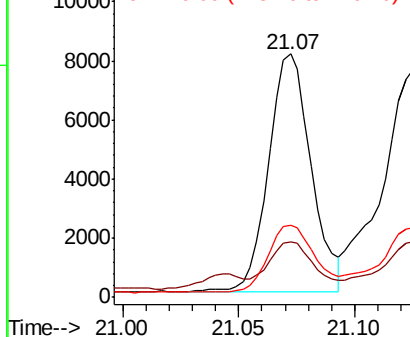
228 100

229 23.0 15.5 23.3

226 29.6 21.7 32.5



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: 0.334 ng/ul

RT: 21.07 min Scan# 4648

Delta R.T. -0.05 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

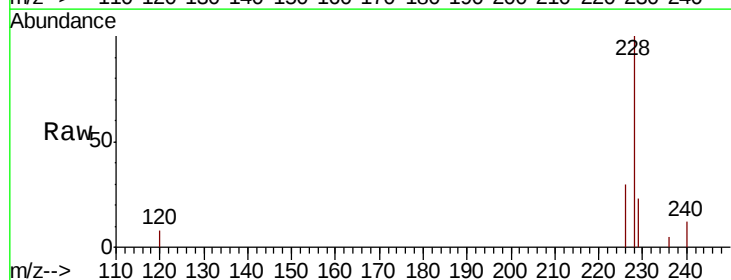
Tgt Ion:228 Resp: 10198

Ion Ratio Lower Upper

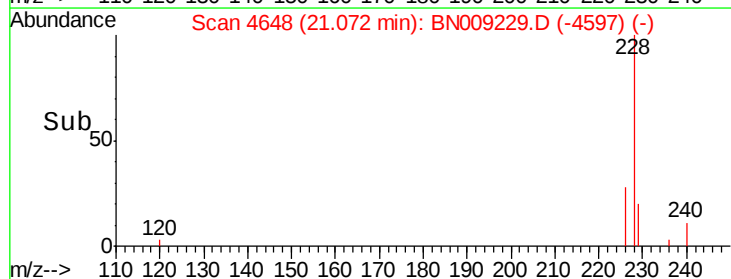
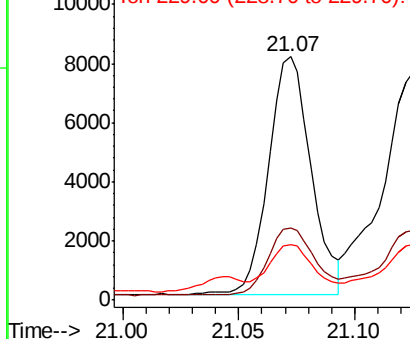
228 100

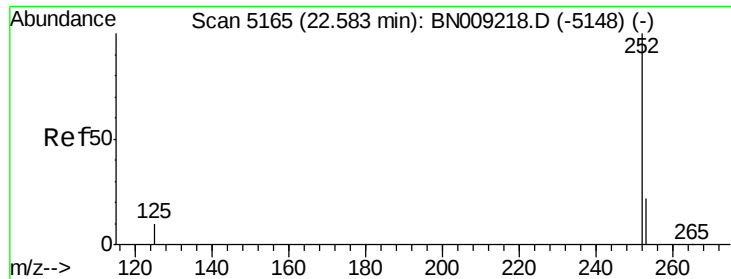
226 29.6 23.7 35.5

229 23.0 15.4 23.0



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: 0.586 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. 0.01 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

Instrument :

BNA_N

ClientSampleId :

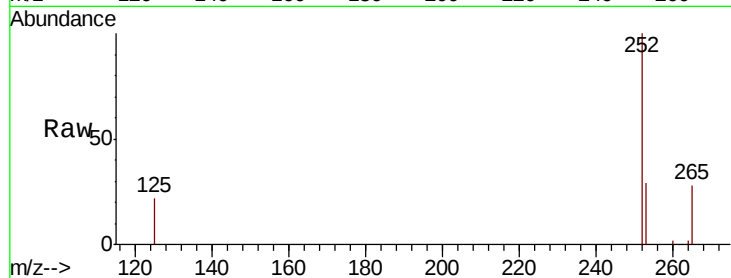
Tot Ion:252 Resp: 19772

Ion Ratio Lower Upper

252 100

253 28.8 0.0 48.2

125 22.3 0.0 30.0

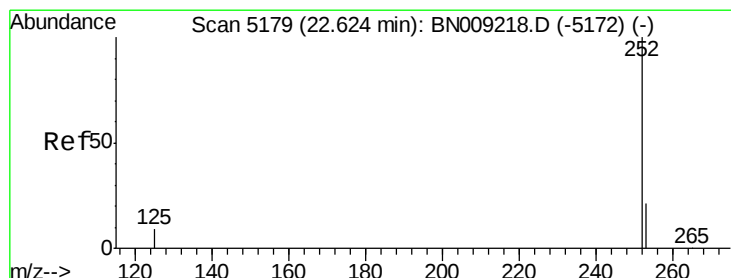
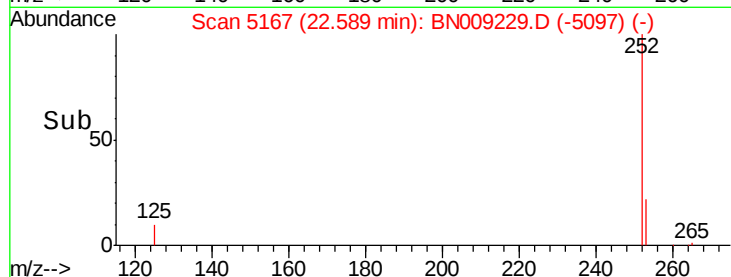
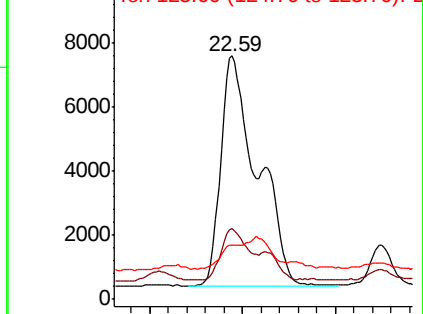


Abundance

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: 0.581 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. -0.04 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

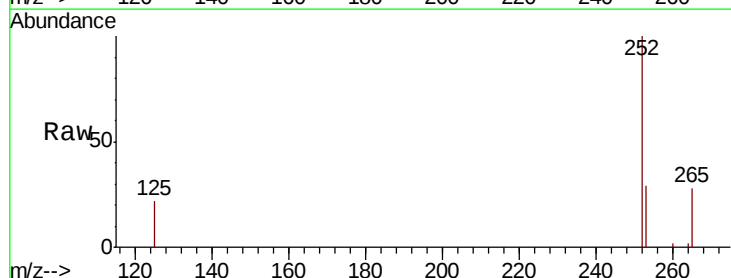
Tgt Ion:252 Resp: 19772

Ion Ratio Lower Upper

252 100

253 28.8 19.4 29.0

125 22.3 12.4 18.6#

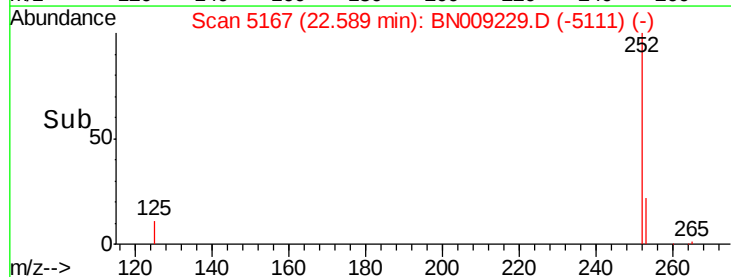
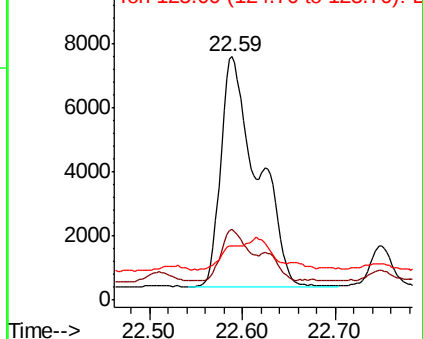


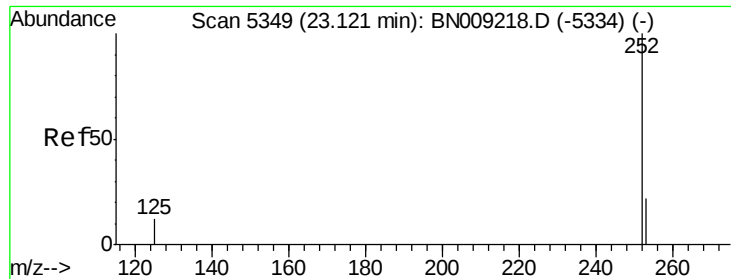
Abundance

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





#23

Benzo(a)pyrene

Concen: 0.282 ng/ul

RT: 23.12 min Scan# 5350

Delta R.T. 0.00 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

Instrument :

BNA_N

ClientSampleId :

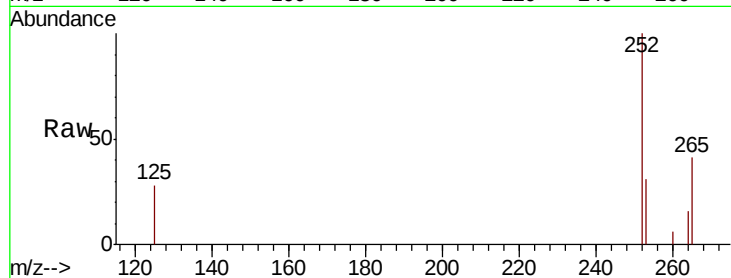
Tot Ion:252 Resp: 8353

Ion Ratio Lower Upper

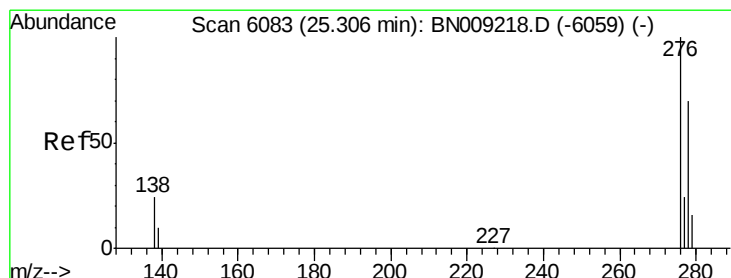
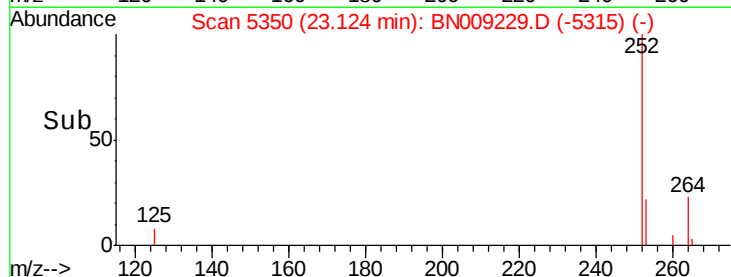
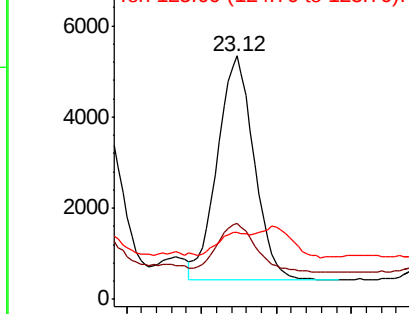
252 100

253 31.4 20.2 30.4#

125 27.5 13.2 19.8#



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: 0.198 ng/ul

RT: 25.31 min Scan# 6084

Delta R.T. 0.00 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

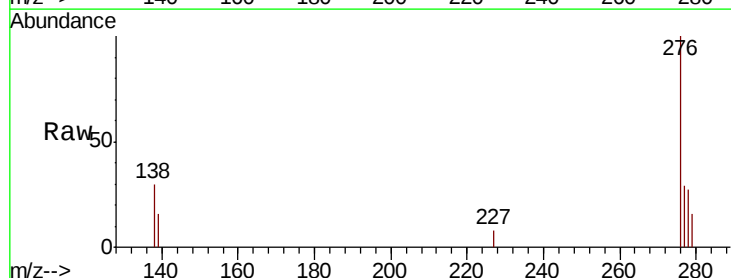
Tgt Ion:276 Resp: 6365

Ion Ratio Lower Upper

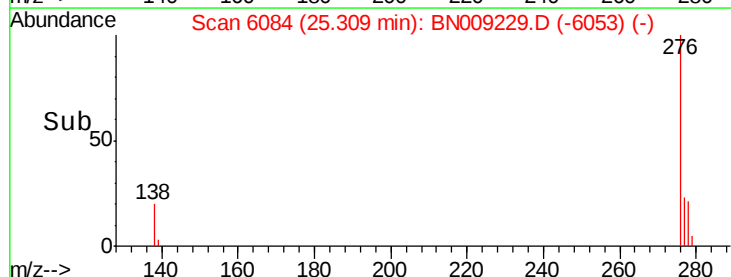
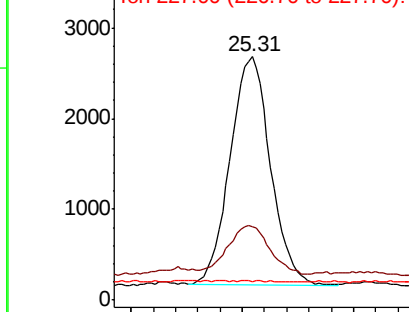
276 100

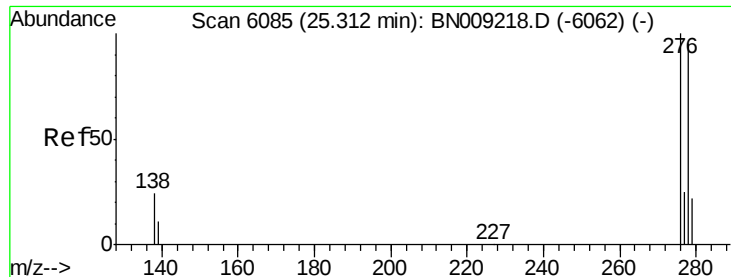
138 21.9 22.4 33.6#

227 0.3 0.2 0.4



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: 0.068 ng/ul

RT: 25.32 min Scan# 6086

Delta R.T. 0.00 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

Instrument :

BNA_N

ClientSampleId :

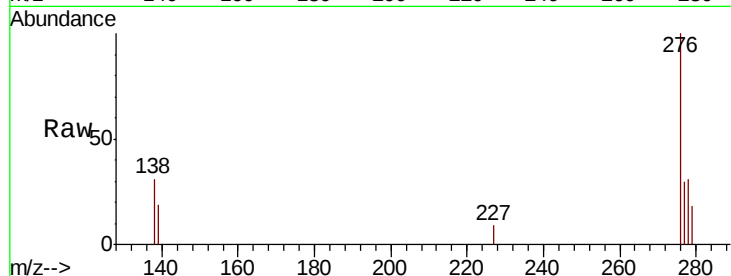
Tot Ion:278 Resp: 1748

Ion Ratio Lower Upper

278 100

139 60.6 16.2 24.2#

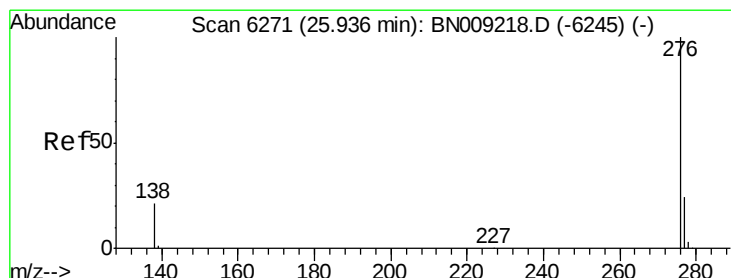
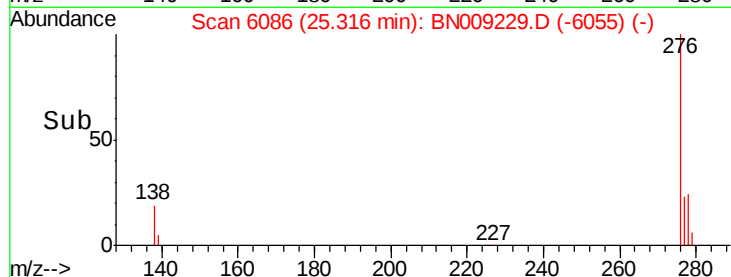
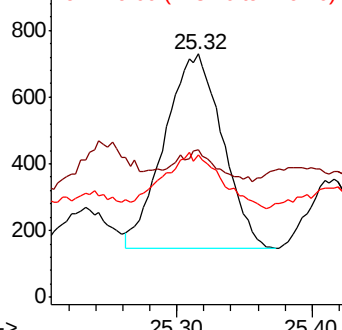
279 58.4 20.3 30.5#



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: 0.189 ng/ul

RT: 25.95 min Scan# 6274

Delta R.T. 0.01 min

Lab File: BN009229.D

Acq: 28 Dec 2019 15:42

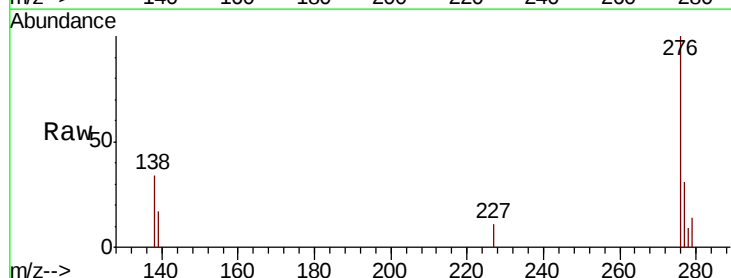
Tgt Ion:276 Resp: 5118

Ion Ratio Lower Upper

276 100

138 33.8 20.6 30.8#

277 31.2 19.6 29.4#



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

