

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN010320\
 Data File : BN009307.D
 Acq On : 03 Jan 2020 18:54
 Operator : JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 03 21:53:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 15:42:47 2020
 Response via : Initial Calibration

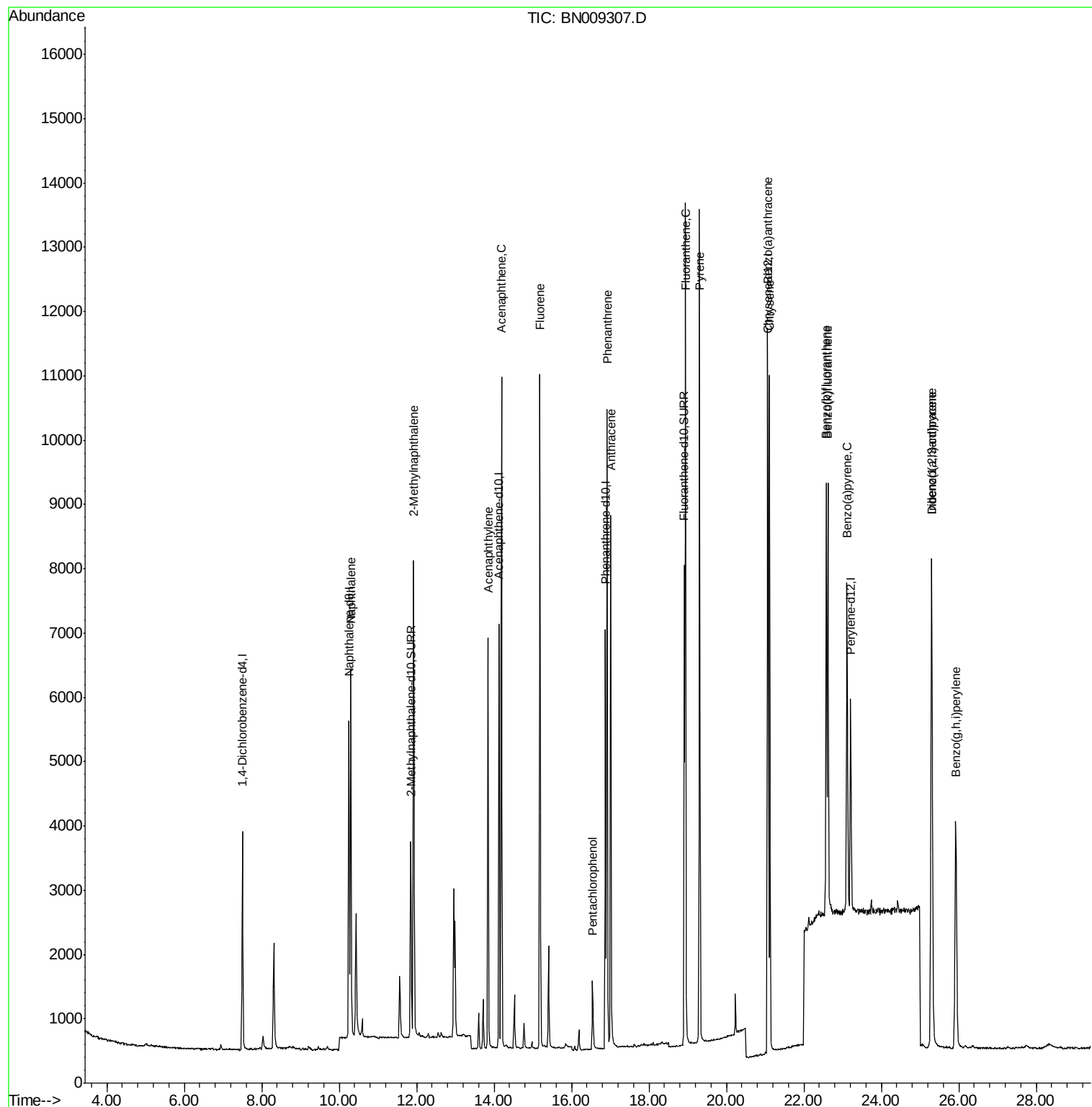
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	1776	0.40	ng/ul	0.00
2) Naphthalene-d8	10.25	136	6412	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	3699	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.88	188	7486	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	4892	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	4288	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.85	152	4333	0.38	ng/ul	0.00
14) Fluoranthene-d10	18.91	212	8441	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.30	128	7863	0.404	ng/ul	99
5) 2-Methylnaphthalene	11.92	142	5507	0.375	ng/ul	100
7) Acenaphthylene	13.84	152	7333	0.377	ng/ul	99
8) Acenaphthene	14.19	153	5767	0.378	ng/ul	99
9) Fluorene	15.18	166	6575	0.365	ng/ul	100
11) Pentachlorophenol	16.54	266	863	0.432	ng/ul	99
12) Phenanthrene	16.92	178	10392	0.399	ng/ul	99
13) Anthracene	17.01	178	9380	0.402	ng/ul	99
15) Fluoranthene	18.94	202	11157	0.375	ng/ul	99
17) Pyrene	19.31	202	11036	0.442	ng/ul	99
18) Benzo(a)anthracene	21.07	228	8772	0.404	ng/ul	99
19) Chrysene	21.12	228	8919	0.409	ng/ul	99
21) Benzo(b)fluoranthene	22.58	252	7886	0.394	ng/ul	94
22) Benzo(k)fluoranthene	22.62	252	8100	0.401	ng/ul	94
23) Benzo(a)pyrene	23.12	252	7248	0.413	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.30	276	8392	0.439	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.31	278	6841	0.450	ng/ul	97
26) Benzo(g,h,i)perylene	25.93	276	7315	0.454	ng/ul	98

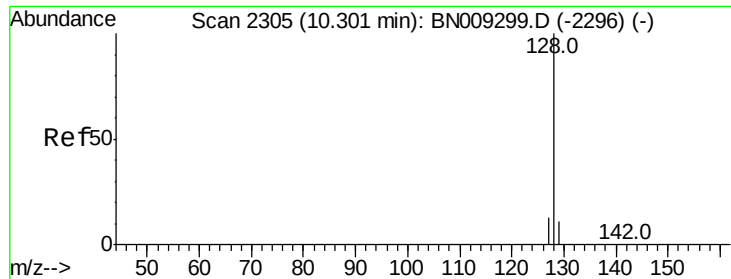
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.404 ng/ul

RT: 10.30 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampleId :

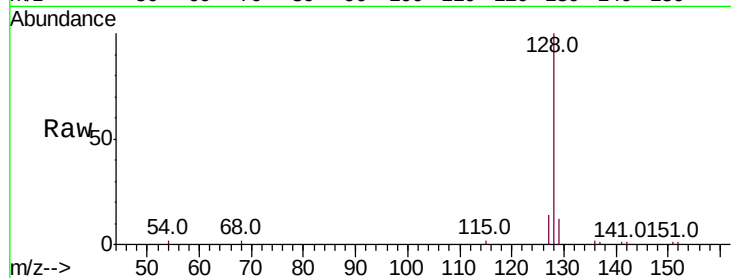
Tot Ion:128 Resp: 7863

Ion Ratio Lower Upper

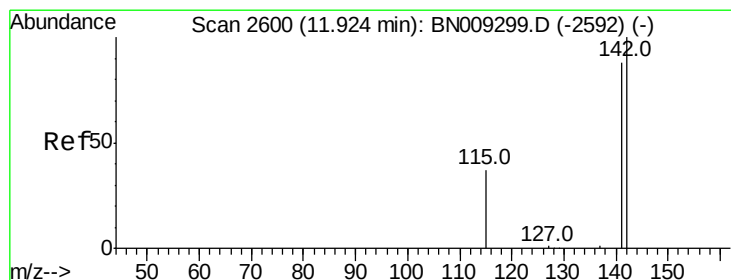
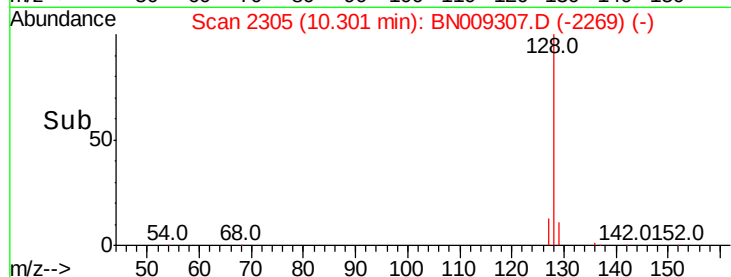
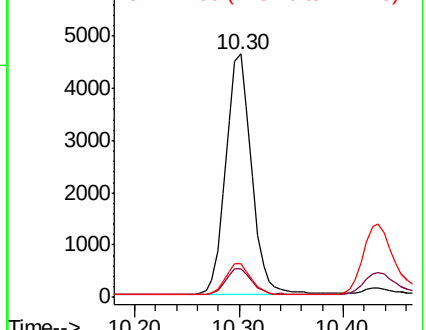
128 100

129 11.9 9.0 13.4

127 13.6 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: 0.375 ng/ul

RT: 11.92 min Scan# 2600

Delta R.T. -0.00 min

Lab File: BN009307.D

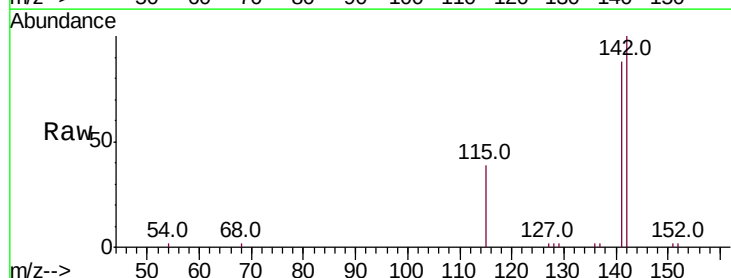
Acq: 03 Jan 2020 18:54

Tgt Ion:142 Resp: 5507

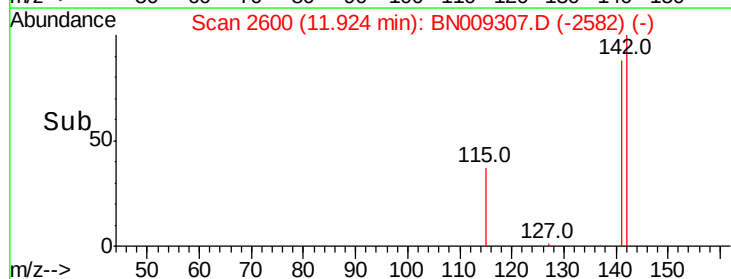
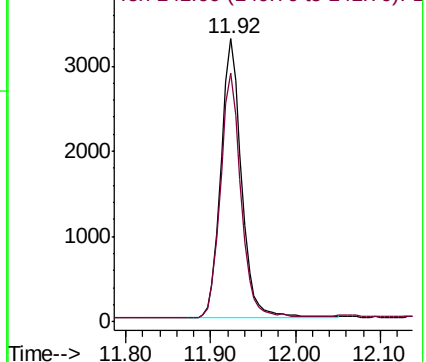
Ion Ratio Lower Upper

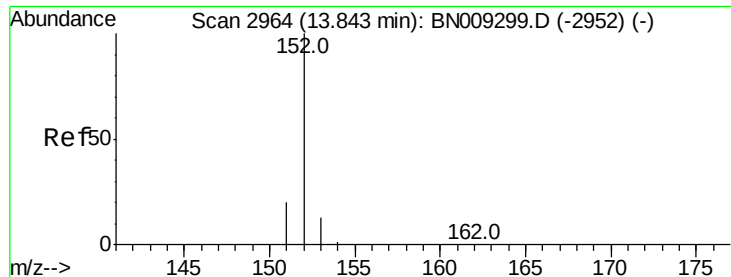
142 100

141 87.4 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: 0.377 ng/ul

RT: 13.84 min Scan# 2964

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampleId :

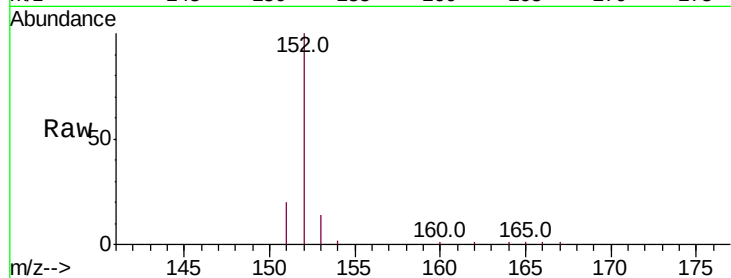
Tot Ion:152 Resp: 7333

Ion Ratio Lower Upper

152 100

151 20.2 15.7 23.5

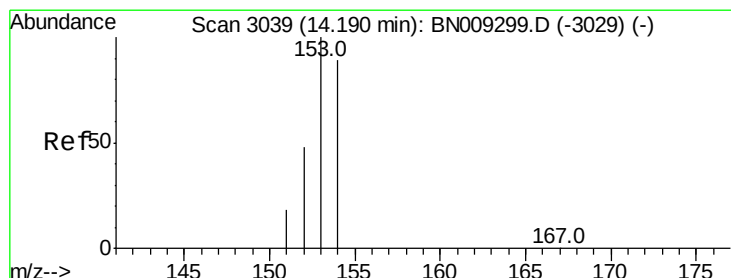
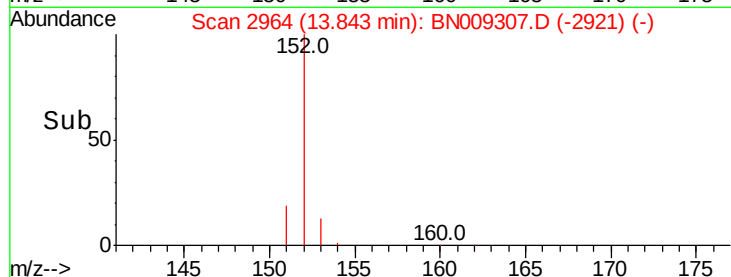
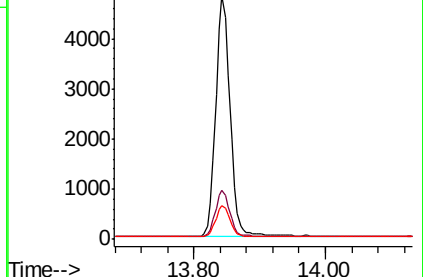
153 13.8 10.8 16.2



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: 0.378 ng/ul

RT: 14.19 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

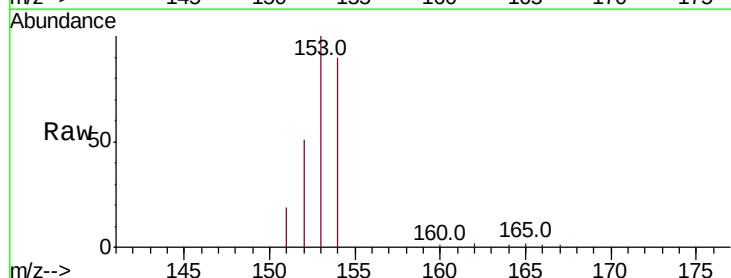
Tgt Ion:153 Resp: 5767

Ion Ratio Lower Upper

153 100

152 50.6 39.5 59.3

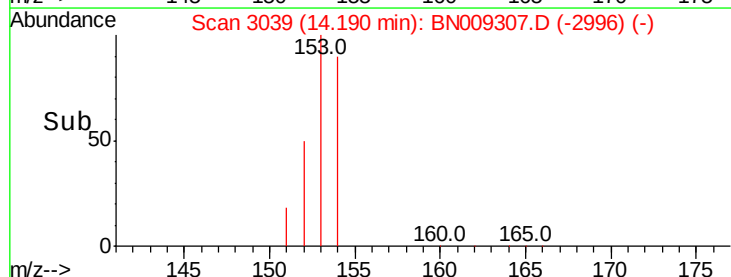
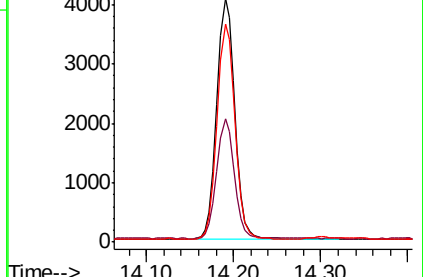
154 89.8 71.3 106.9

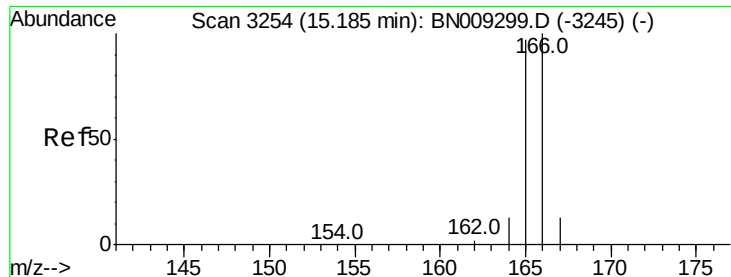


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.365 ng/ul

RT: 15.18 min Scan# 3254

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampleId :

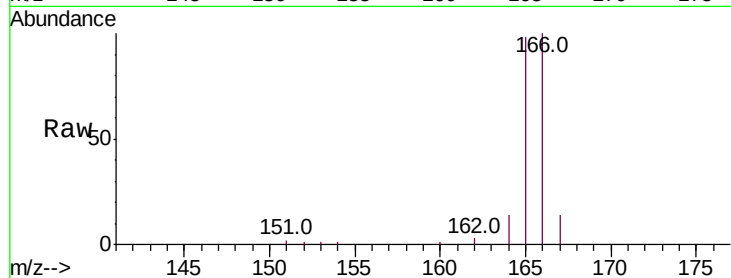
Tot Ion:166 Resp: 6575

Ion Ratio Lower Upper

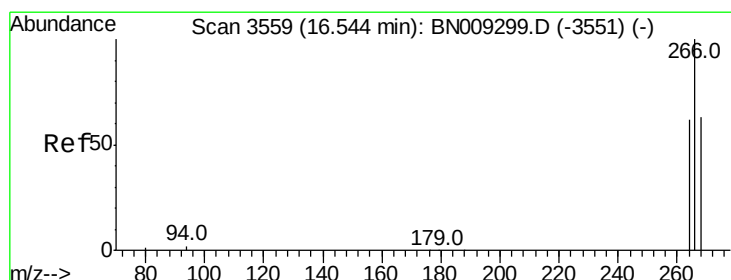
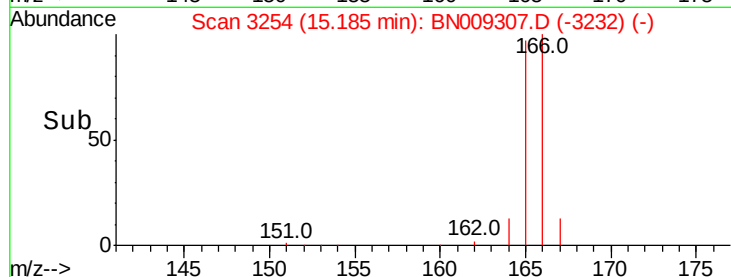
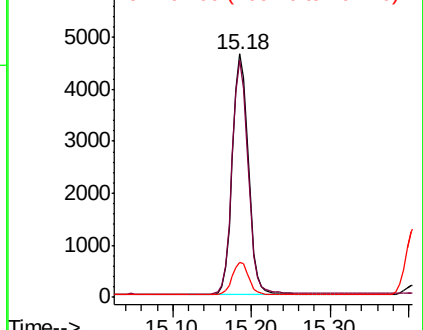
166 100

165 97.6 78.2 117.4

167 14.1 11.0 16.6



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



#11

Pentachlorophenol

Concen: 0.432 ng/ul

RT: 16.54 min Scan# 3559

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

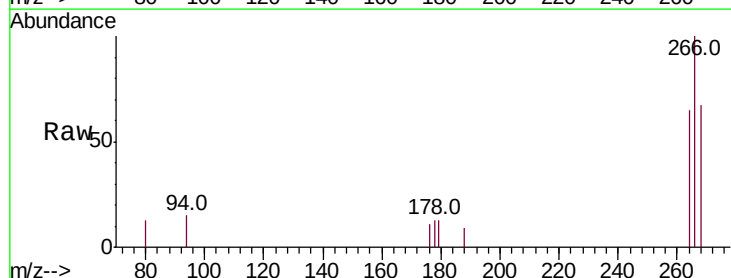
Tgt Ion:266 Resp: 863

Ion Ratio Lower Upper

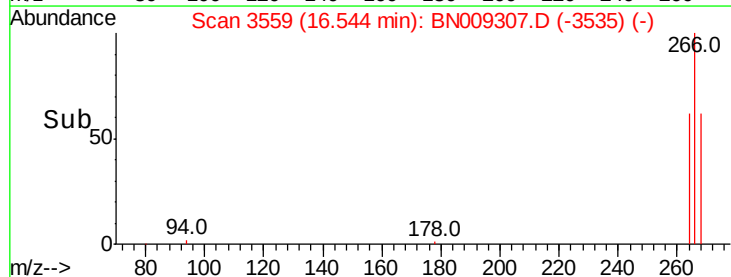
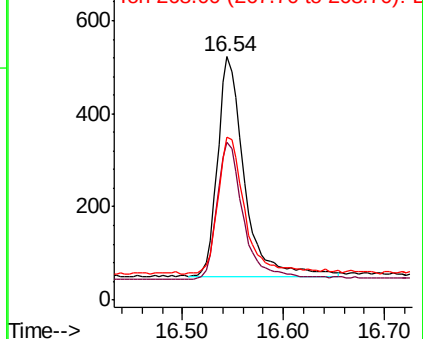
266 100

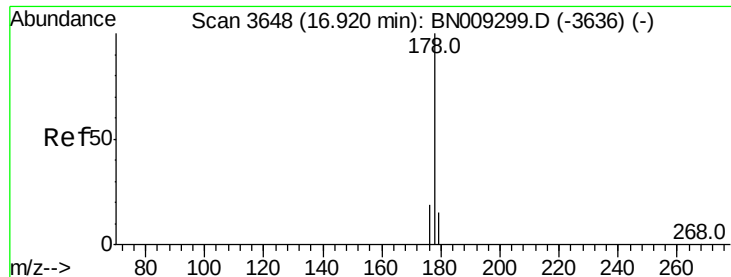
264 63.0 49.9 74.9

268 65.4 52.1 78.1



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





#12

Phenanthrene

Concen: 0.399 ng/ul

RT: 16.92 min Scan# 3648

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampleId :

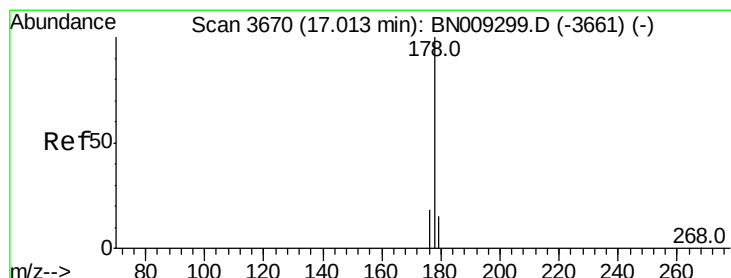
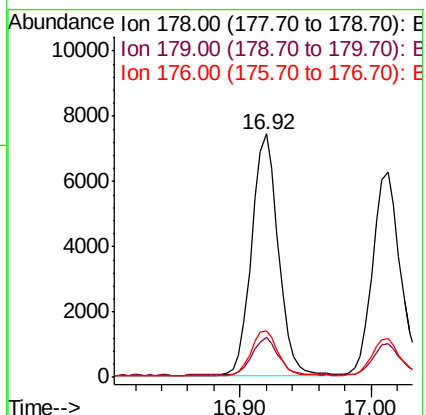
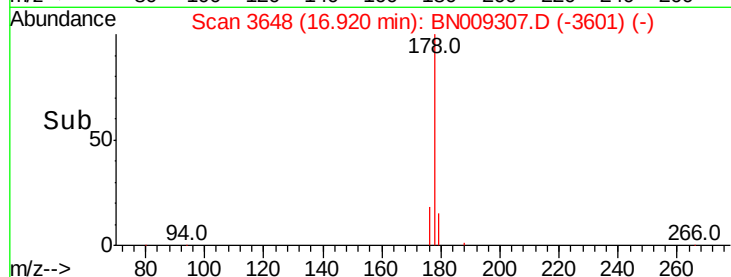
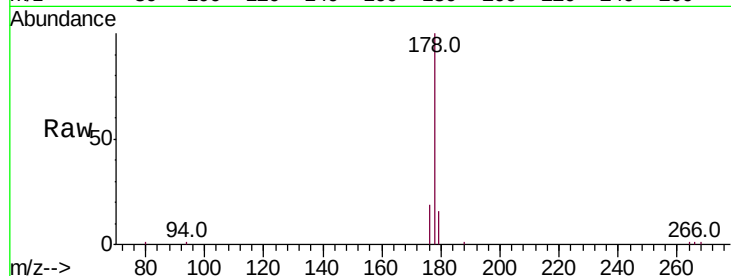
Tot Ion:178 Resp: 10392

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

176 19.1 15.1 22.7



#13

Anthracene

Concen: 0.402 ng/ul

RT: 17.01 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

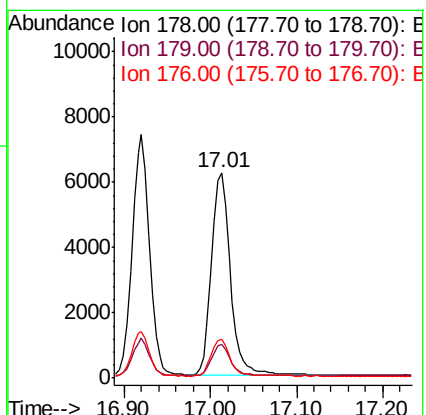
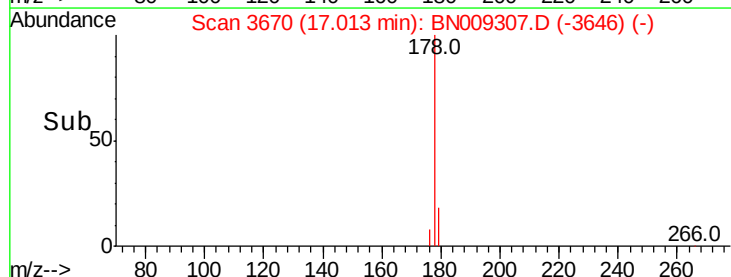
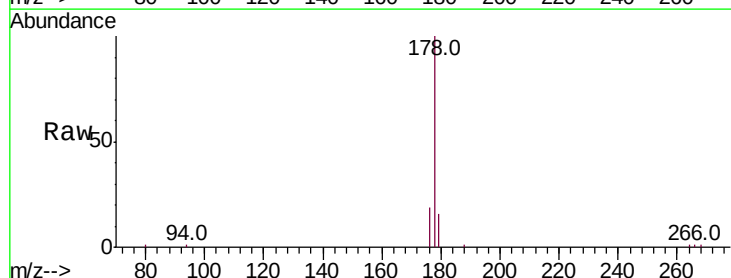
Tgt Ion:178 Resp: 9380

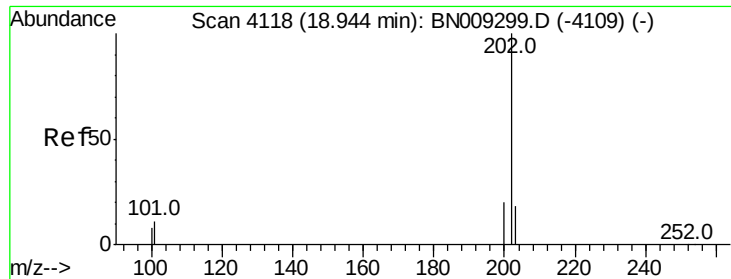
Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

176 18.7 14.9 22.3





#15

Fluoranthene

Concen: 0.375 ng/ul

RT: 18.94 min Scan# 4118

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampleId :

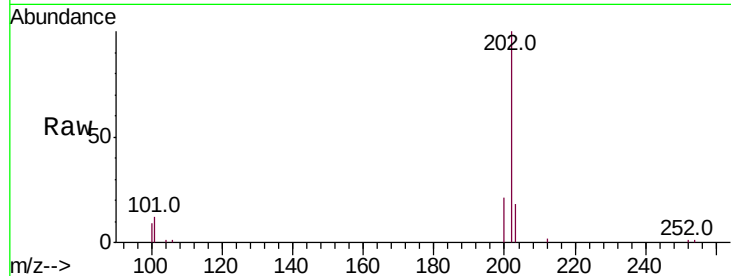
Tot Ion:202 Resp: 11157

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.5

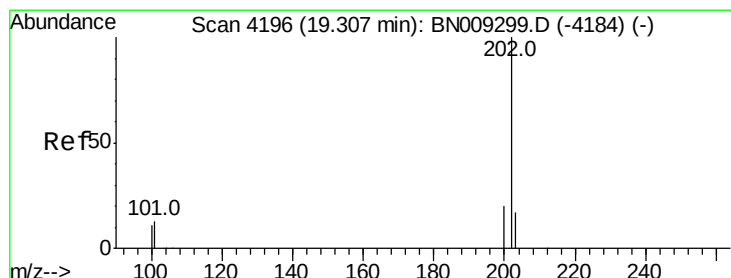
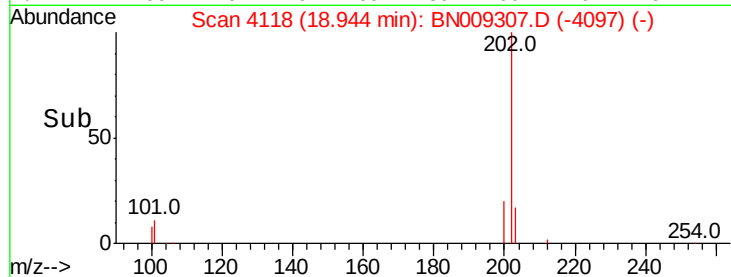
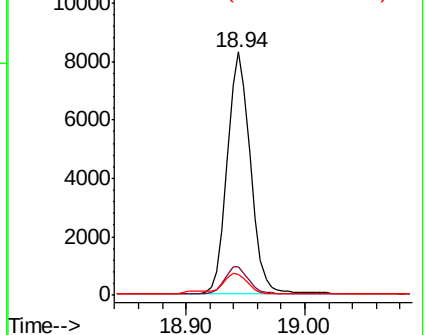
100 8.6 0.0 28.9



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: 0.442 ng/ul

RT: 19.31 min Scan# 4196

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

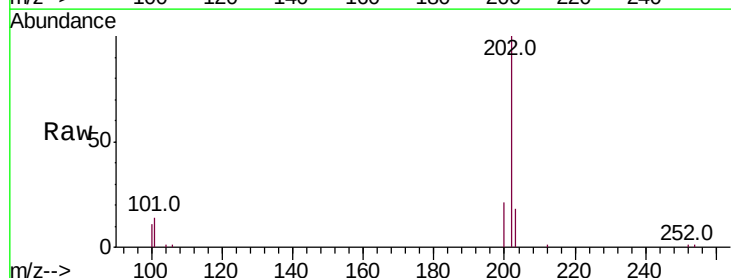
Tgt Ion:202 Resp: 11036

Ion Ratio Lower Upper

202 100

101 14.1 10.9 16.3

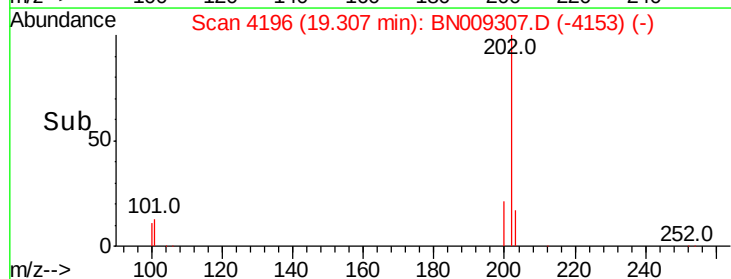
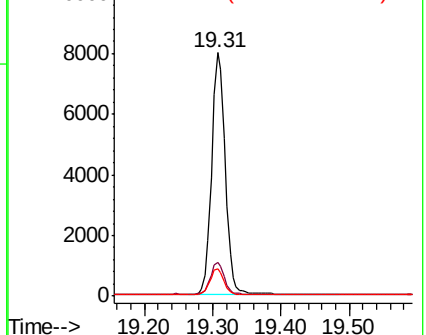
100 11.4 9.0 13.6

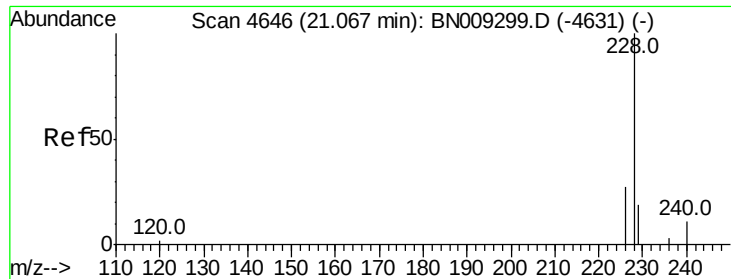


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.404 ng/ul

RT: 21.07 min Scan# 4646

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampleId :

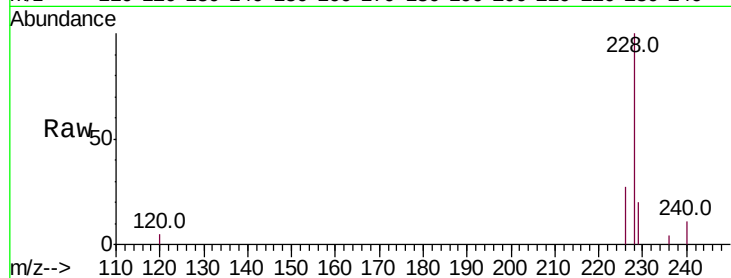
Tot Ion:228 Resp: 8772

Ion Ratio Lower Upper

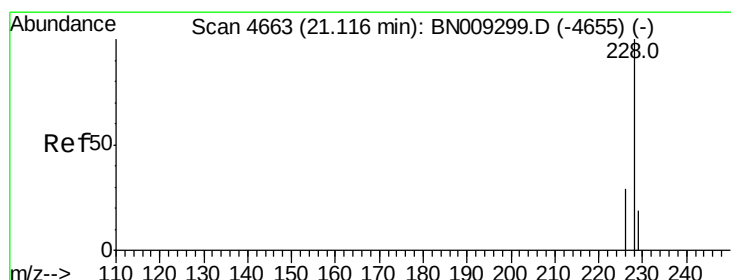
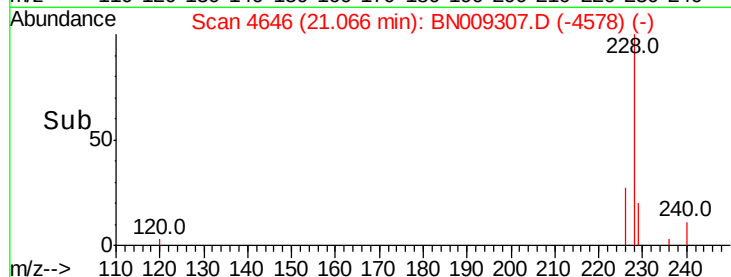
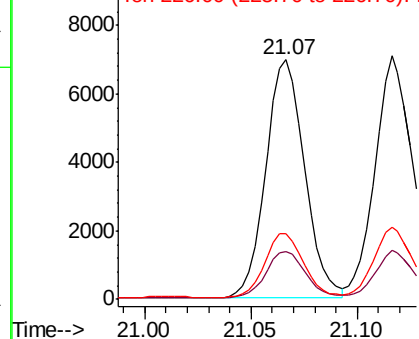
228 100

229 20.2 15.5 23.3

226 27.3 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: 0.409 ng/ul

RT: 21.12 min Scan# 4663

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

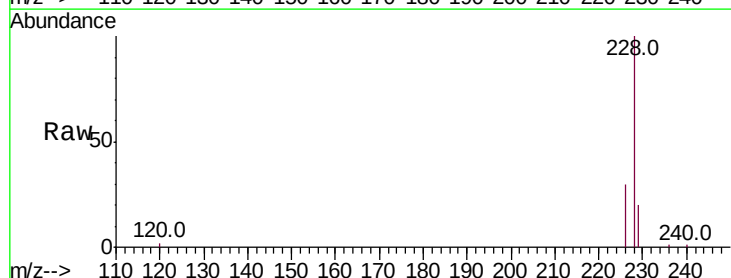
Tgt Ion:228 Resp: 8919

Ion Ratio Lower Upper

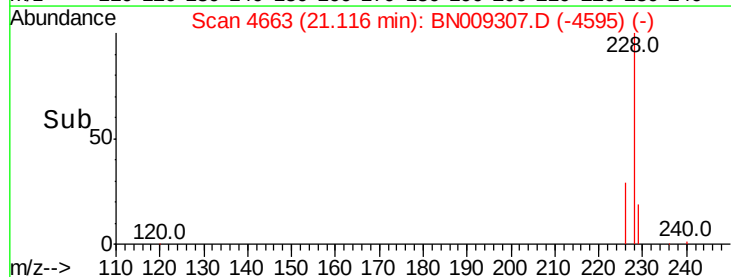
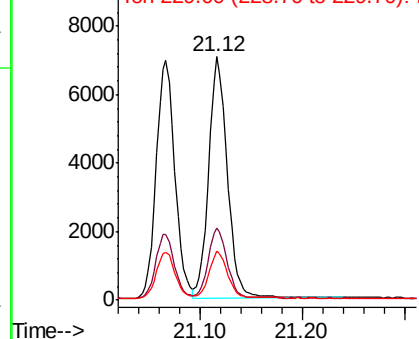
228 100

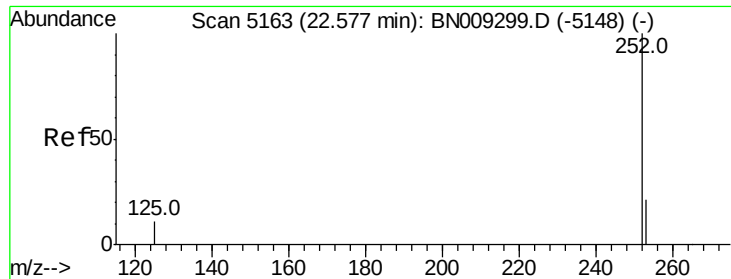
226 29.8 23.7 35.5

229 20.0 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: 0.394 ng/ul

RT: 22.58 min Scan# 5164

Delta R.T. 0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampleId :

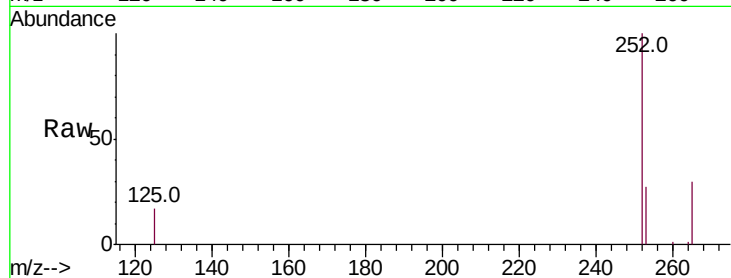
Tot Ion:252 Resp: 7886

Ion Ratio Lower Upper

252 100

253 27.1 0.0 48.2

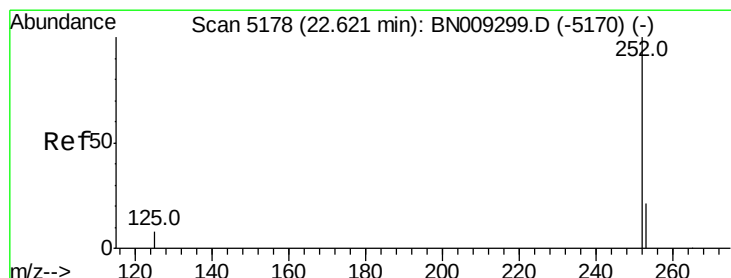
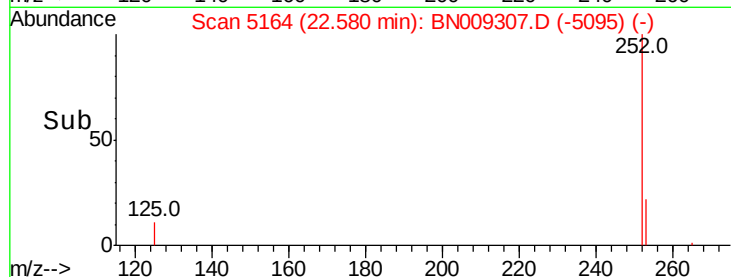
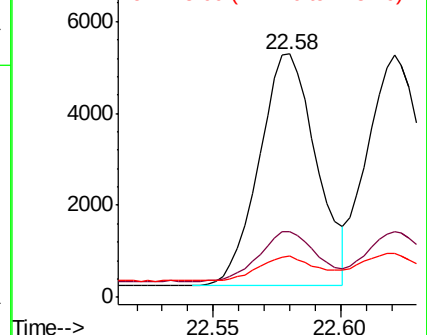
125 16.9 0.0 30.0



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: 0.401 ng/ul

RT: 22.62 min Scan# 5178

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

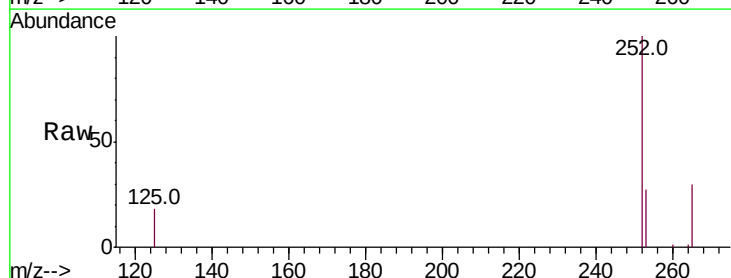
Tgt Ion:252 Resp: 8100

Ion Ratio Lower Upper

252 100

253 27.2 19.4 29.0

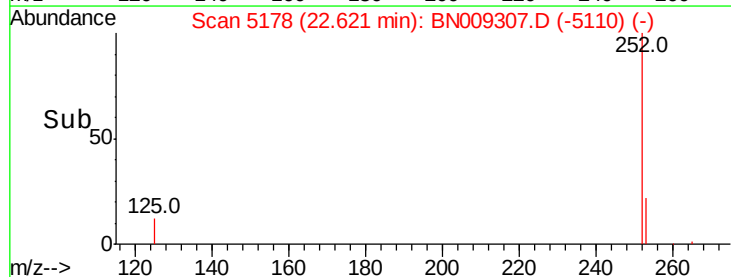
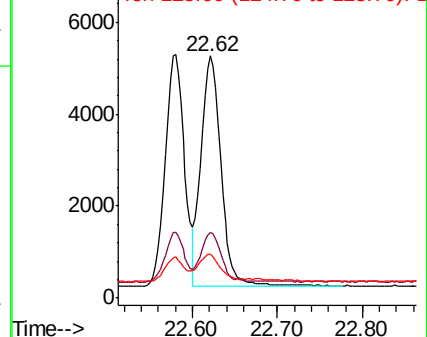
125 17.9 12.4 18.6

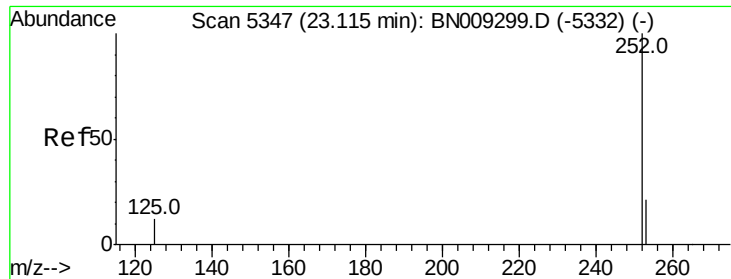


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.413 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. 0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampled :

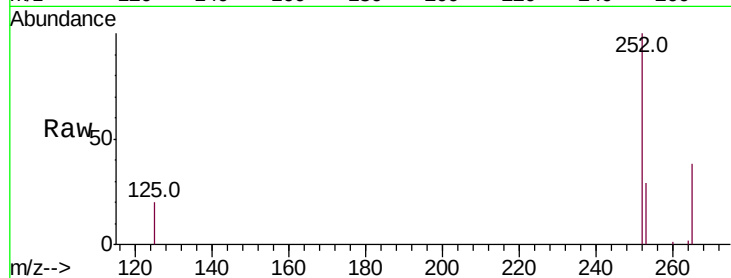
Tot Ion:252 Resp: 7248

Ion Ratio Lower Upper

252 100

253 28.7 20.2 30.4

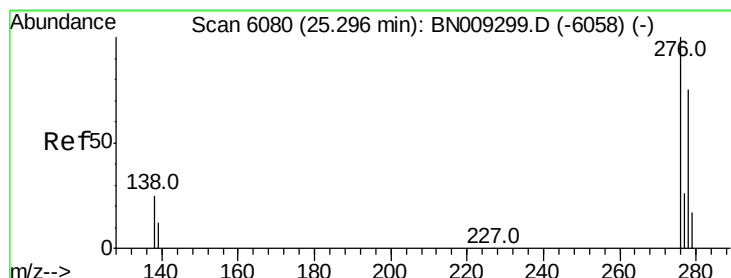
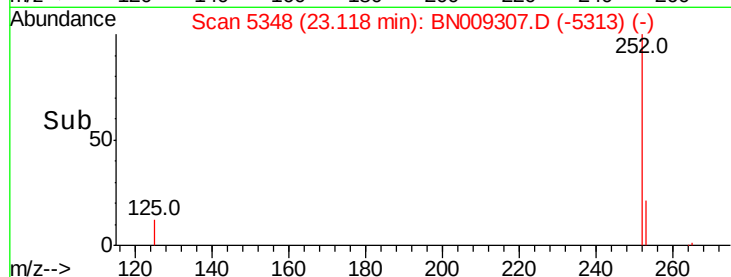
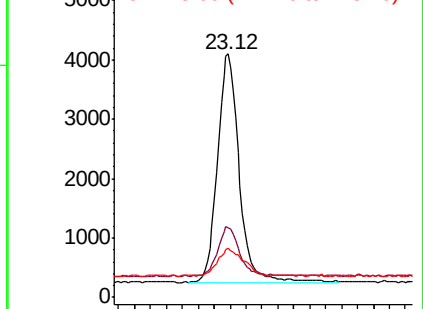
125 19.9 13.2 19.8#



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: 0.439 ng/ul

RT: 25.30 min Scan# 6081

Delta R.T. 0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

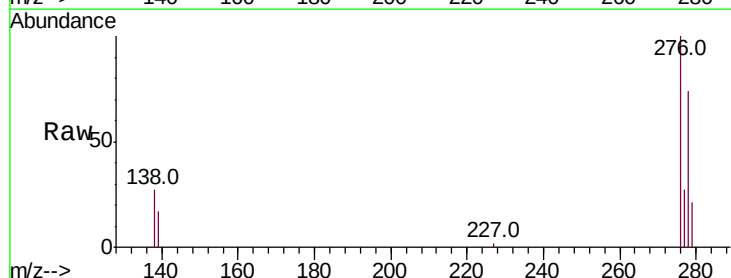
Tgt Ion:276 Resp: 8392

Ion Ratio Lower Upper

276 100

138 25.4 22.4 33.6

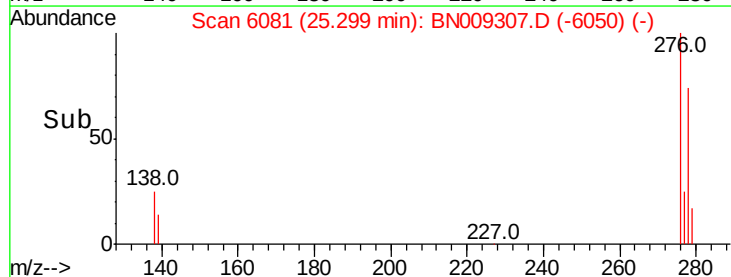
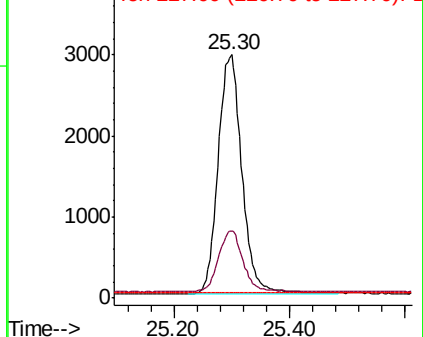
227 0.2 0.2 0.4#

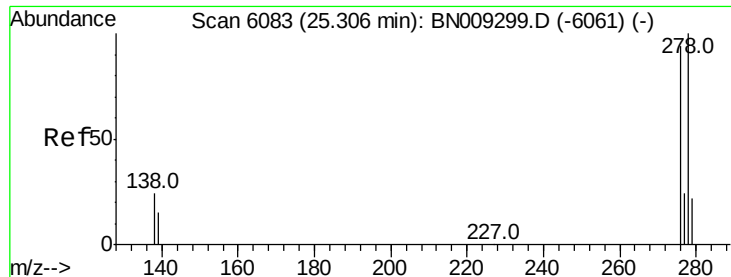


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.450 ng/ul

RT: 25.31 min Scan# 6083

Delta R.T. -0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

Instrument :

BNA_N

ClientSampleId :

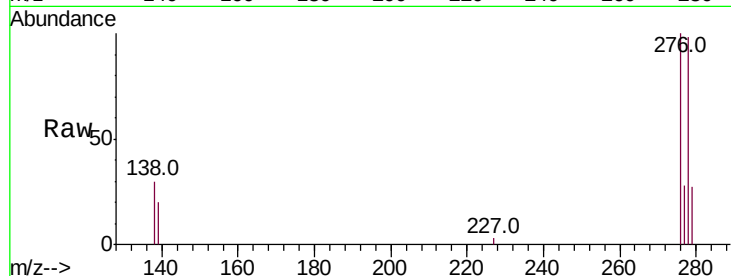
Tot Ion:278 Resp: 6841

Ion Ratio Lower Upper

278 100

139 20.4 16.2 24.2

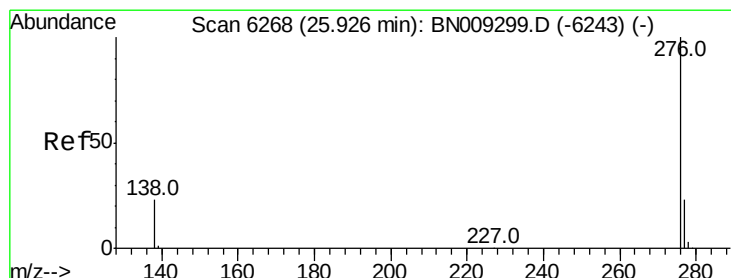
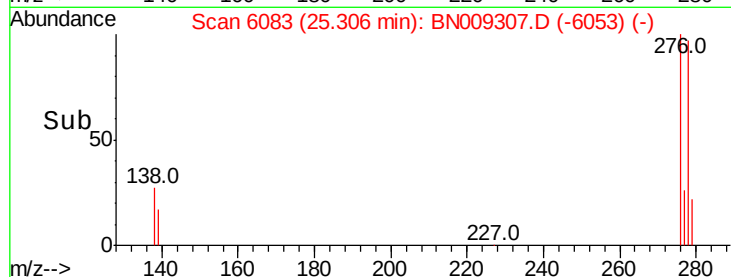
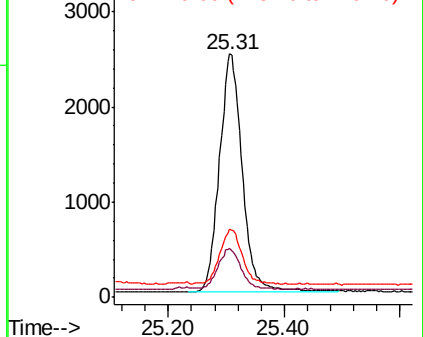
279 27.9 20.3 30.5



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: 0.454 ng/ul

RT: 25.93 min Scan# 6269

Delta R.T. 0.00 min

Lab File: BN009307.D

Acq: 03 Jan 2020 18:54

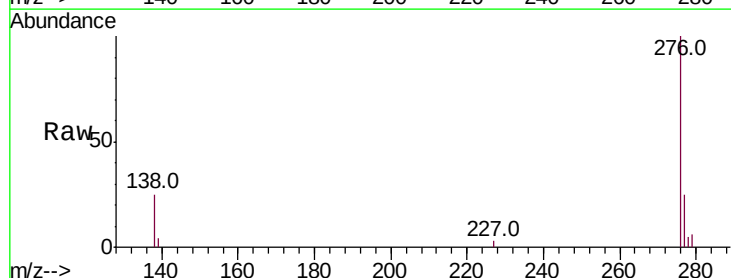
Tgt Ion:276 Resp: 7315

Ion Ratio Lower Upper

276 100

138 24.6 20.6 30.8

277 25.3 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

