

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009226.D
 Acq On : 28 Dec 2019 13:54
 Operator : JU
 Sample : K6278-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 03:37:49 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

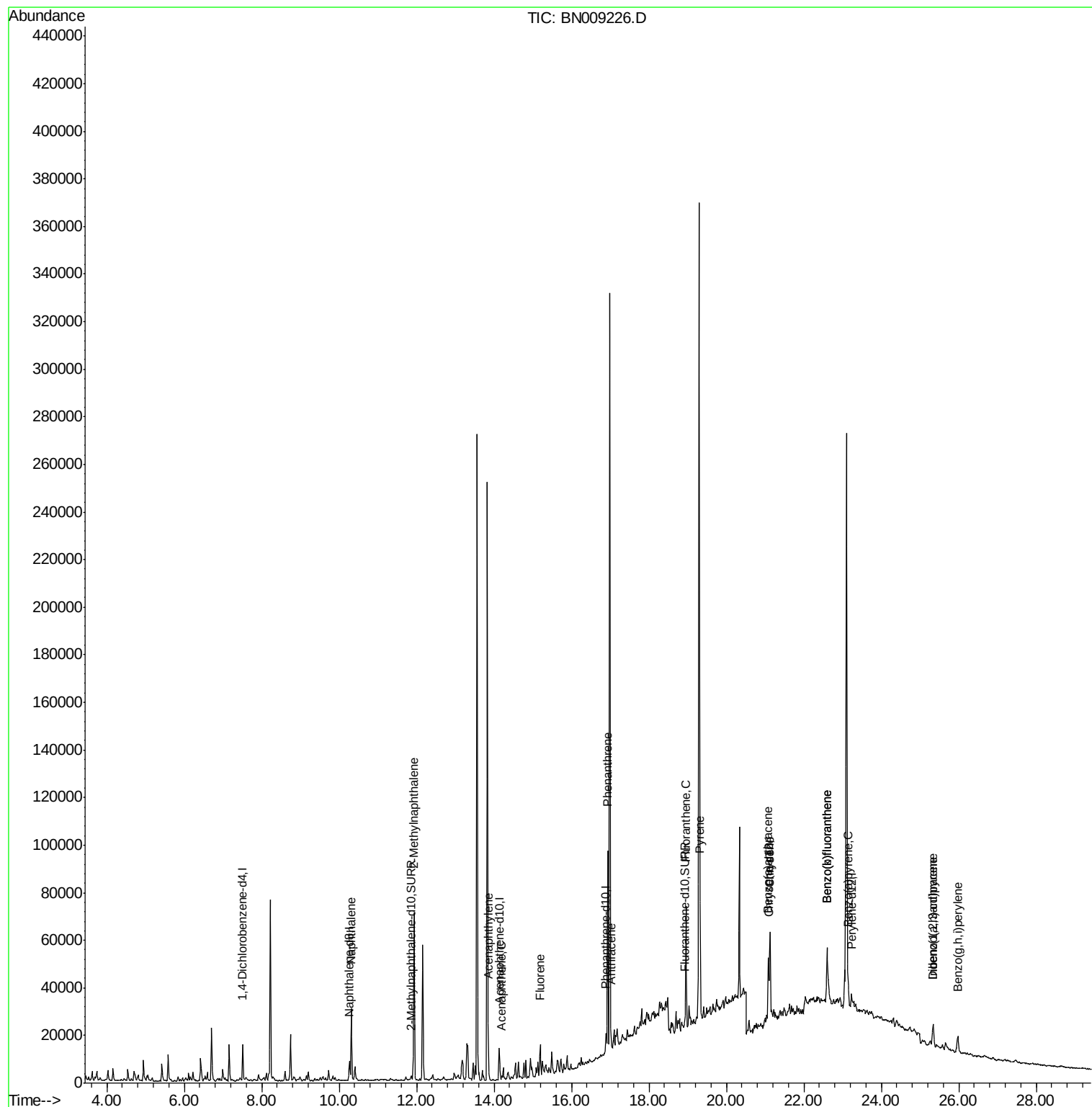
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2289	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8174	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4998	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8949	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7533	0.40	ng/ul	0.00
20) Perylene-d12	23.23	264	7587	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	2273	0.16	ng/ul	0.00
14) Fluoranthene-d10	18.93	212	4737	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	40501	1.634	ng/ul	99
5) 2-Methylnaphthalene	11.93	142	49578	2.647	ng/ul	100
7) Acenaphthylene	13.86	152	3645	0.139	ng/ul#	61
8) Acenaphthene	14.20	153	1061	0.051	ng/ul#	89
9) Fluorene	15.19	166	3470	0.142	ng/ul#	55
12) Phenanthrene	16.93	178	89269	2.869	ng/ul	96
13) Anthracene	17.02	178	5748	0.206	ng/ul#	44
15) Fluoranthene	18.96	202	44354	1.246	ng/ul	97
17) Pyrene	19.32	202	40899	1.064	ng/ul	98
18) Benzo(a)anthracene	21.08	228	19411	0.580	ng/ul#	54
19) Chrysene	21.13	228	45245	1.346	ng/ul#	70
21) Benzo(b)fluoranthene	22.60	252	43576	1.230	ng/ul#	1
22) Benzo(k)fluoranthene	22.60	252	43576	1.220	ng/ul#	1
23) Benzo(a)pyrene	23.14	252	15160	0.488	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.34	276	12380	0.366	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.34	278	4667	0.173	ng/ul#	1
26) Benzo(a,h,i)perylene	25.98	276	13468	0.473	ng/ul#	41

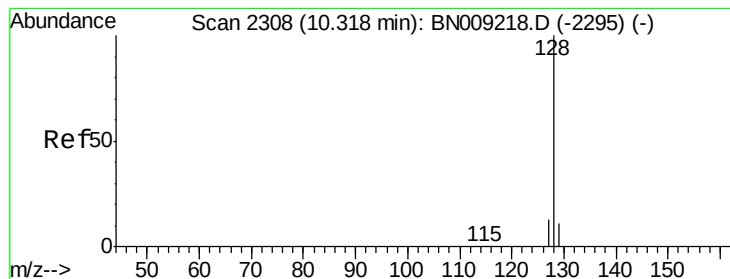
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.634 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

Instrument :

BNA_N

ClientSampleId :

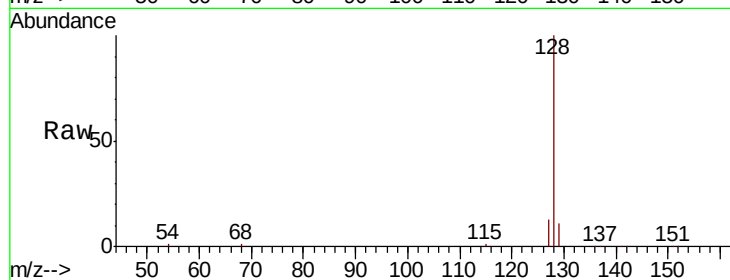
Tot Ion:128 Resp: 40501

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

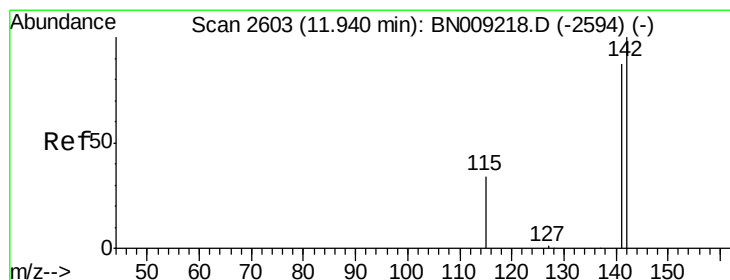
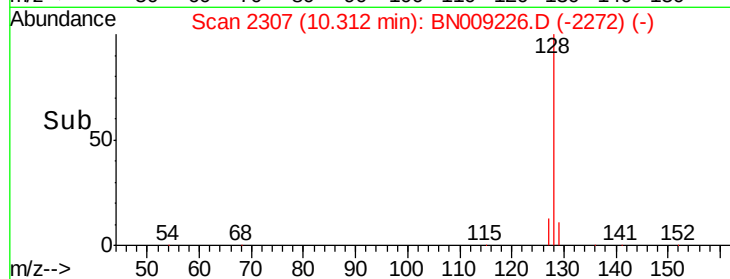
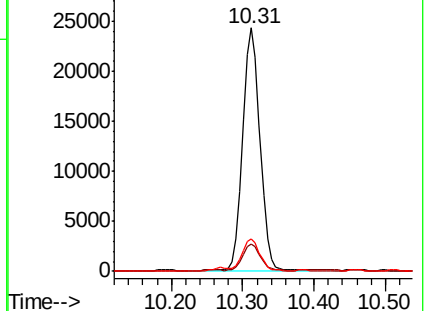
127 13.3 10.9 16.3



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: 2.647 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BN009226.D

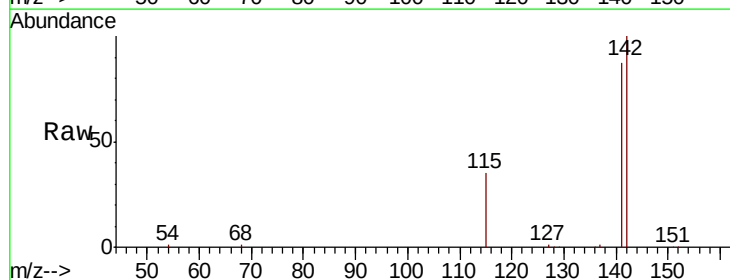
Acq: 28 Dec 2019 13:54

Tgt Ion:142 Resp: 49578

Ion Ratio Lower Upper

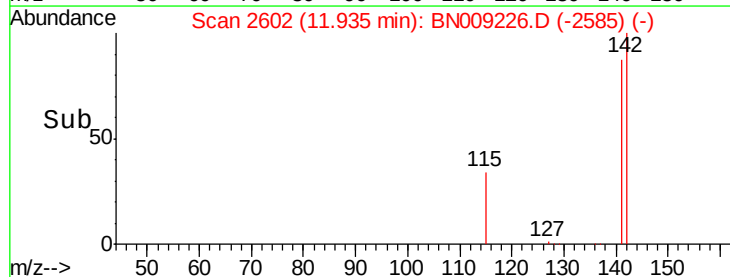
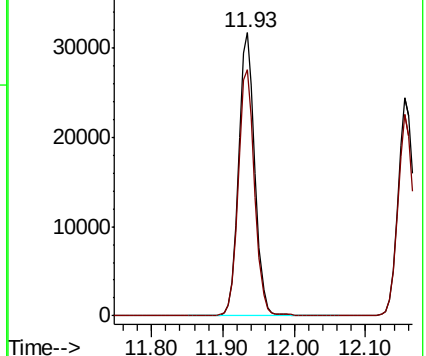
142 100

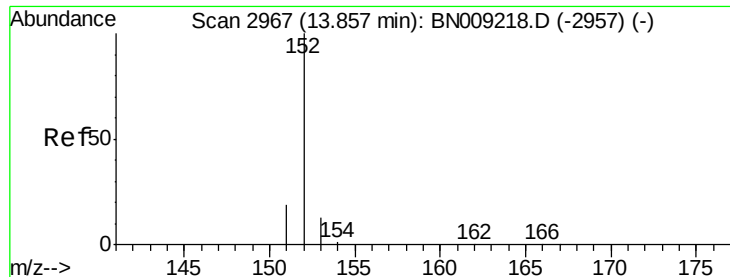
141 88.0 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.139 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

Instrument :

BNA_N

ClientSampleId :

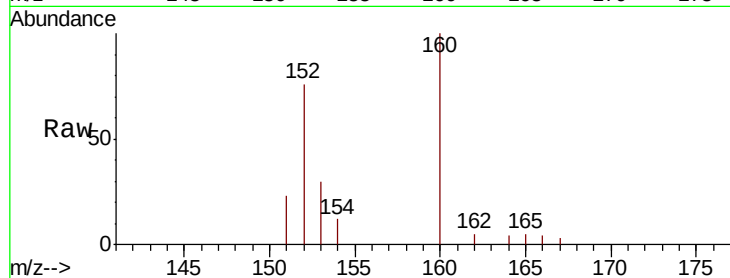
Tot Ion:152 Resp: 3645

Ion Ratio Lower Upper

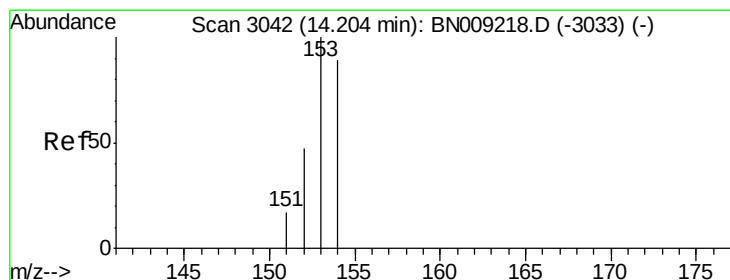
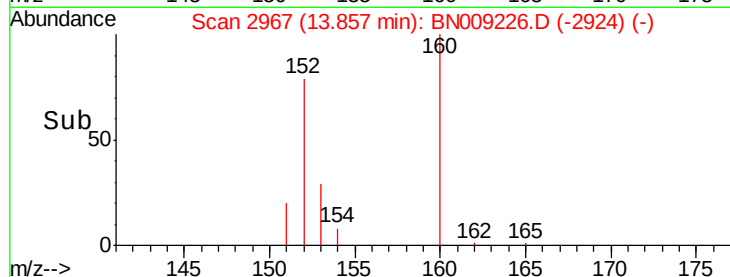
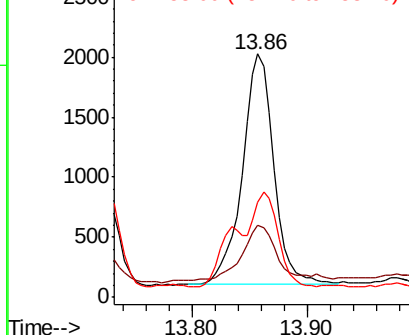
152 100

151 29.7 15.7 23.5#

153 38.9 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: 0.051 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. 0.00 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

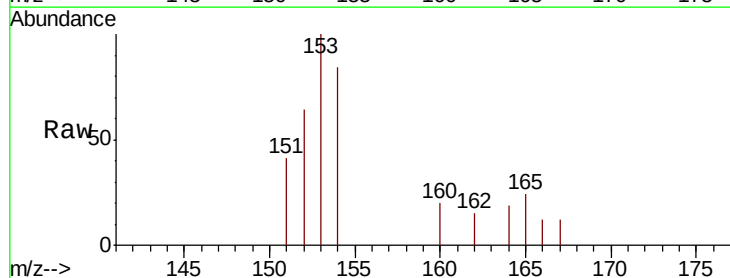
Tgt Ion:153 Resp: 1061

Ion Ratio Lower Upper

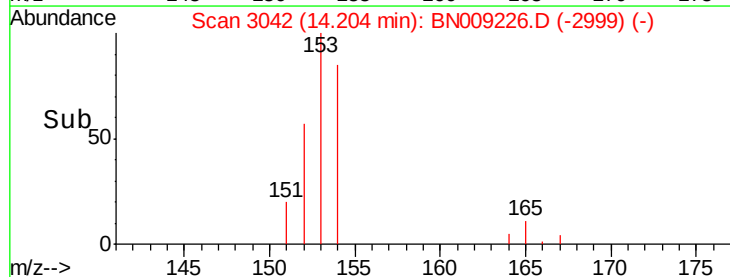
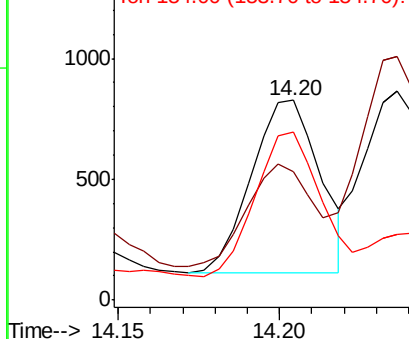
153 100

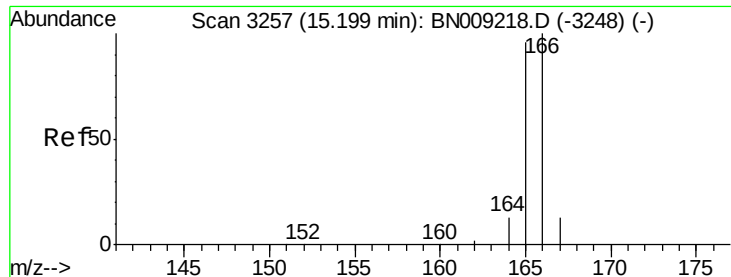
152 64.3 39.5 59.3#

154 84.1 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

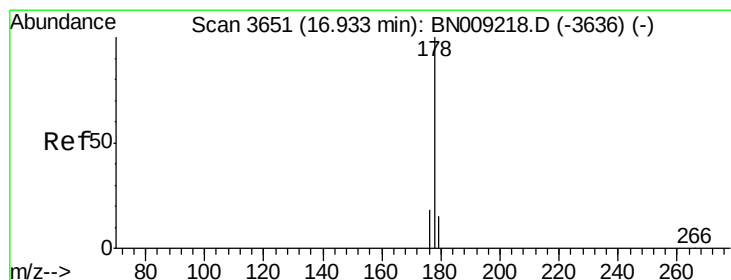
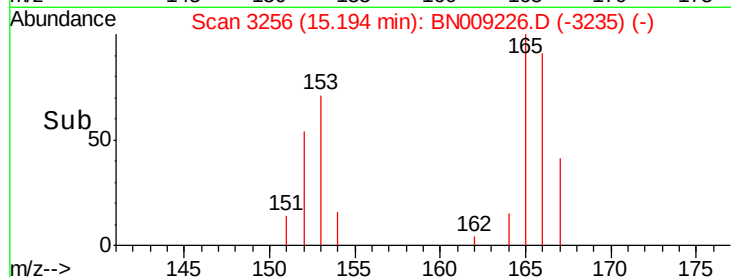
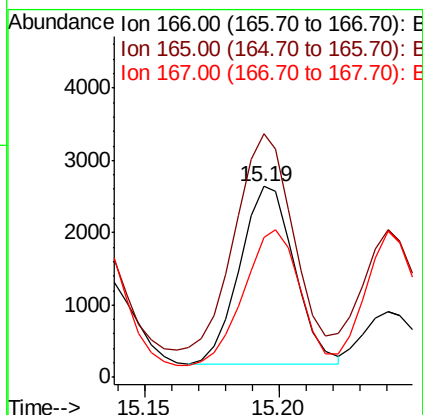
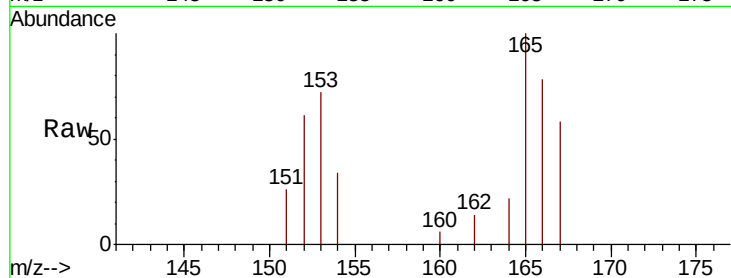




#9
Fluorene
 Concen: 0.142 ng/ul
 RT: 15.19 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: BN009226.D
 Acq: 28 Dec 2019 13:54

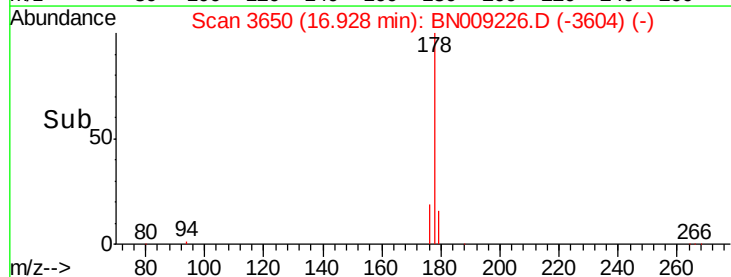
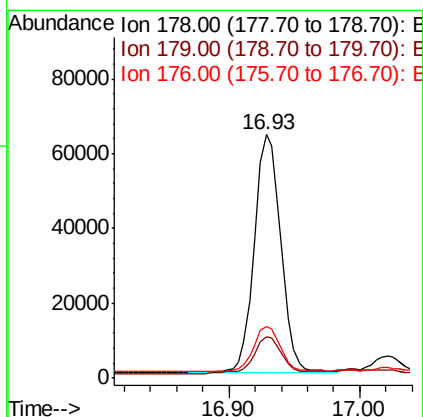
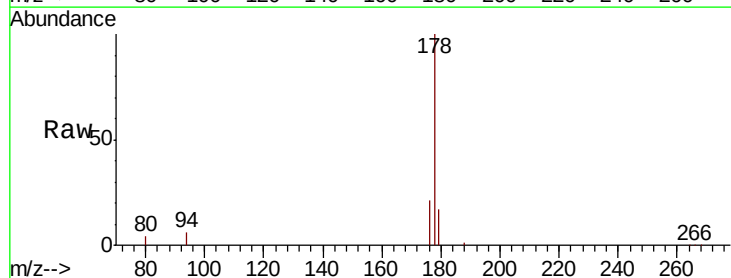
Instrument :
 BNA_N
 ClientSampleId :

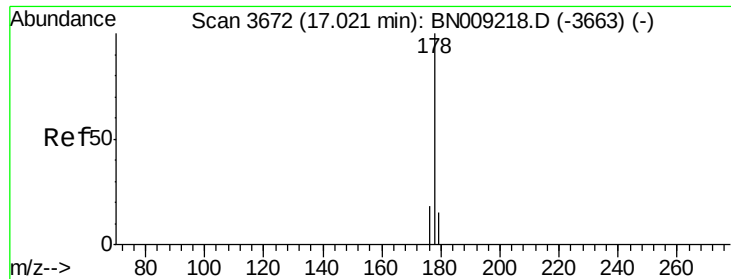
Tot Ion:166 Resp: 3470
 Ion Ratio Lower Upper
 166 100
 165 127.7 78.2 117.4#
 167 73.5 11.0 16.6#



#12
Phenanthrene
 Concen: 2.869 ng/ul
 RT: 16.93 min Scan# 3650
 Delta R.T. -0.00 min
 Lab File: BN009226.D
 Acq: 28 Dec 2019 13:54

Tgt Ion:178 Resp: 89269
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.3 18.5
 176 21.2 15.1 22.7





#13

Anthracene

Concen: 0.206 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

Instrument :

BNA_N

ClientSampleId :

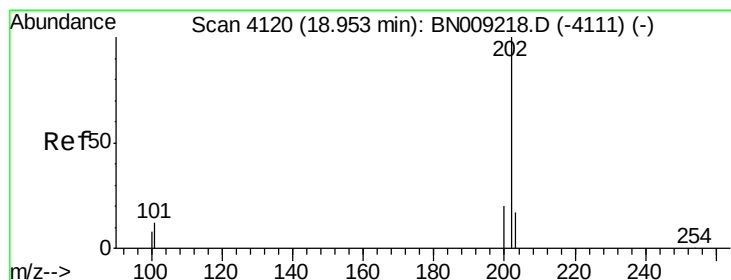
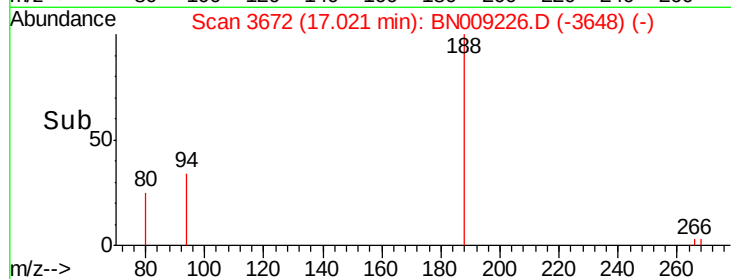
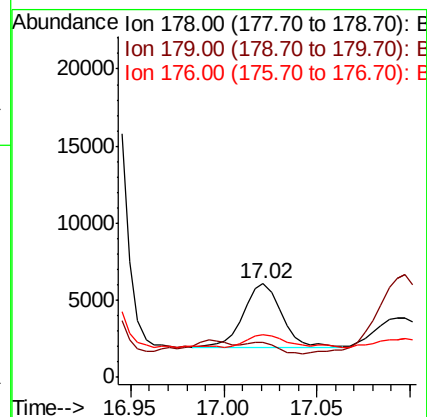
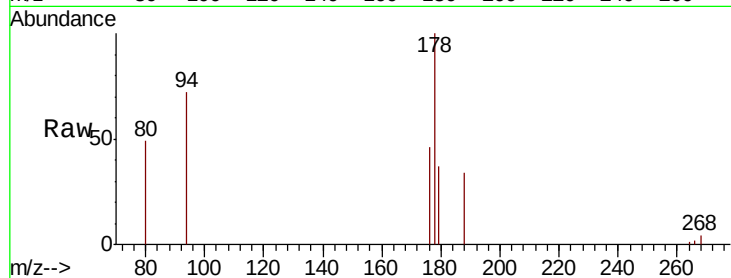
Tot Ion:178 Resp: 5748

Ion Ratio Lower Upper

178 100

179 37.0 12.5 18.7#

176 45.6 14.9 22.3#



#15

Fluoranthene

Concen: 1.246 ng/ul

RT: 18.96 min Scan# 4121

Delta R.T. 0.00 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

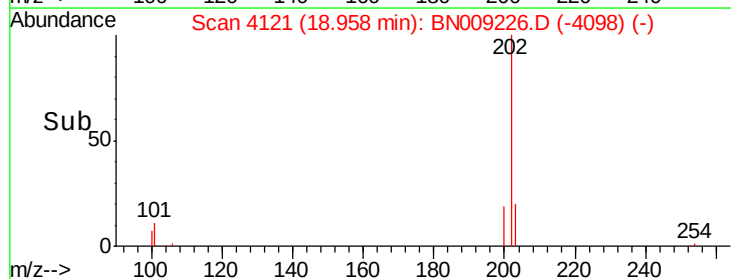
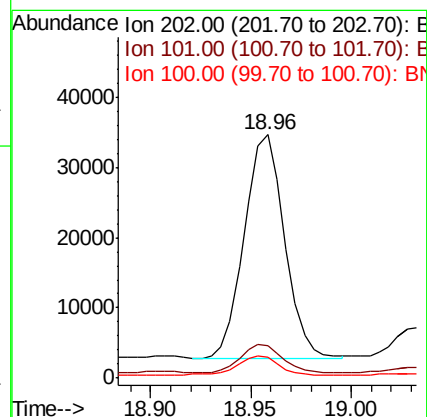
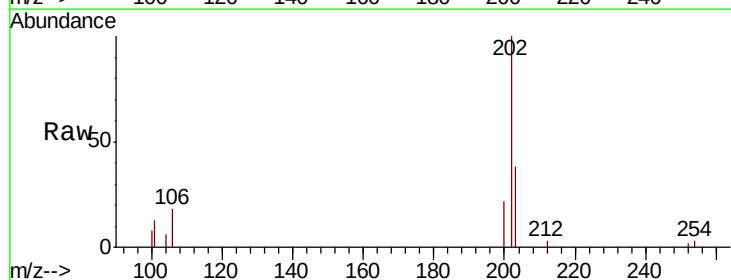
Tgt Ion:202 Resp: 44354

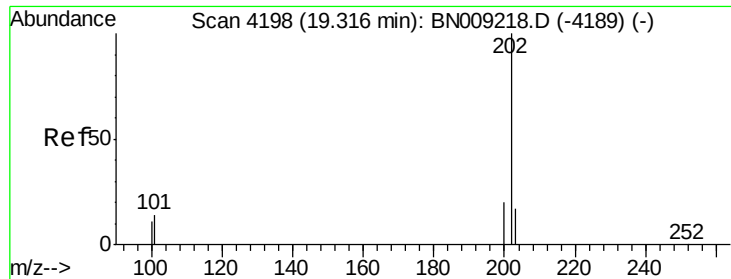
Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.5

100 8.3 0.0 28.9

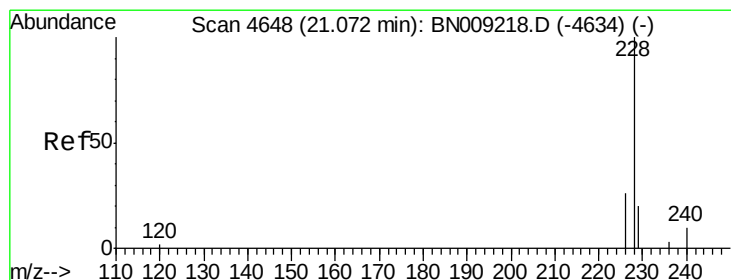
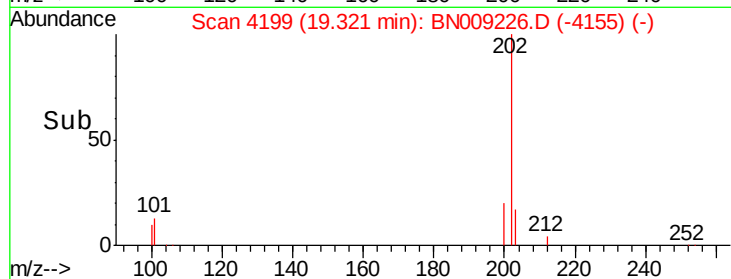
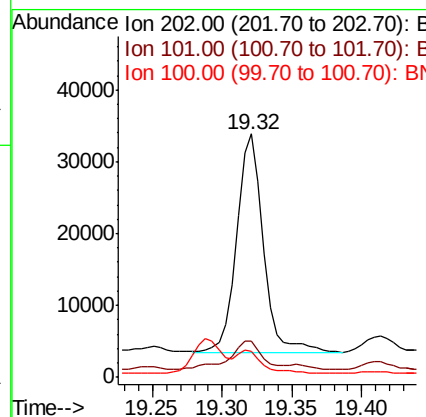
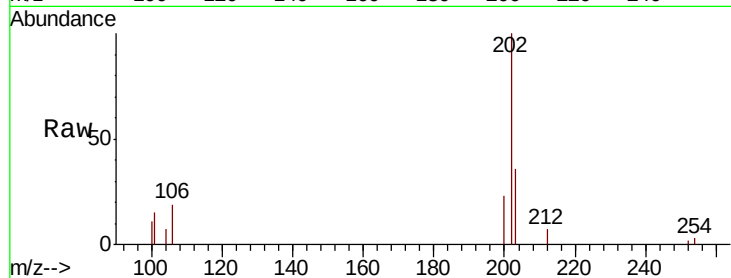




#17
Pvrene
Concen: 1.064 ng/ul
RT: 19.32 min Scan# 4199
Delta R.T. 0.00 min
Lab File: BN009226.D
Acq: 28 Dec 2019 13:54

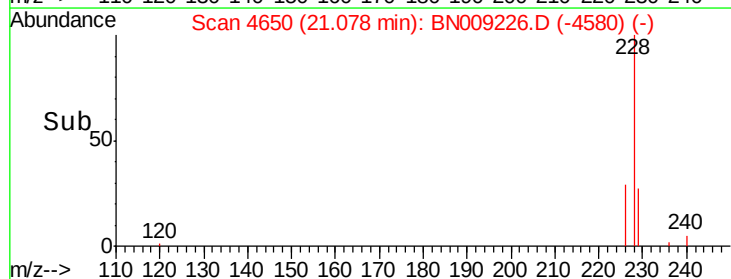
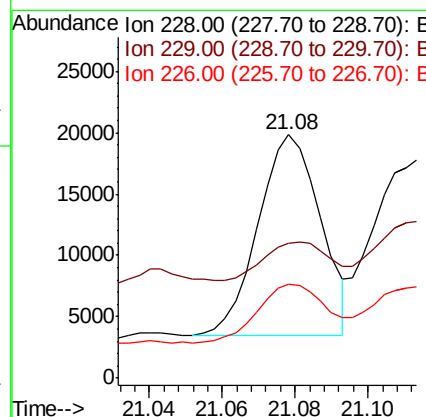
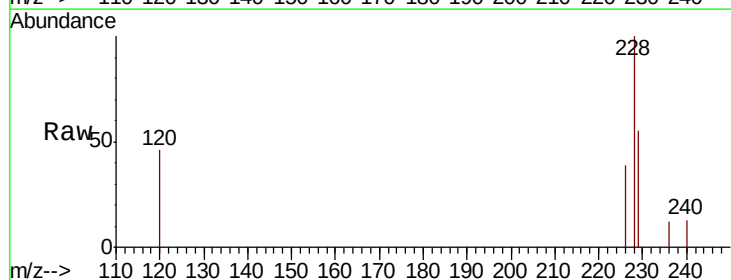
Instrument :
BNA_N
ClientSampleId :

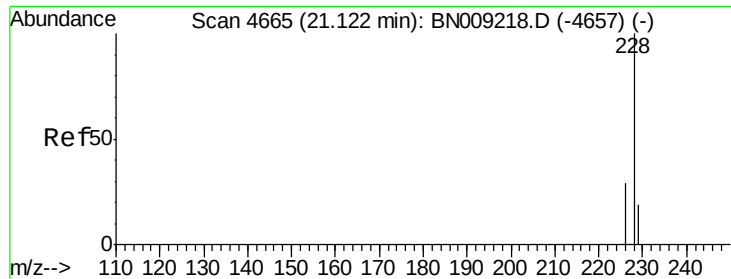
Tot Ion:202 Resp: 40899
Ion Ratio Lower Upper
202 100
101 14.7 10.9 16.3
100 10.8 9.0 13.6



#18
Benzo(a)anthracene
Concen: 0.580 ng/ul
RT: 21.08 min Scan# 4650
Delta R.T. 0.01 min
Lab File: BN009226.D
Acq: 28 Dec 2019 13:54

Tgt Ion:228 Resp: 19411
Ion Ratio Lower Upper
228 100
229 55.4 15.5 23.3#
226 38.6 21.7 32.5#





#19

Chrysene

Concen: 1.346 ng/ul

RT: 21.13 min Scan# 4668

Delta R.T. 0.01 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

Instrument :

BNA_N

ClientSampleId :

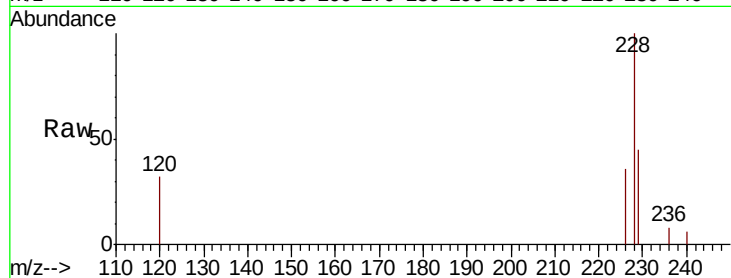
Tot Ion:228 Resp: 45245

Ion Ratio Lower Upper

228 100

226 35.6 23.7 35.5#

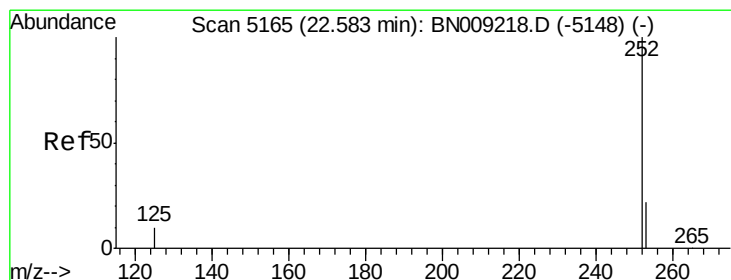
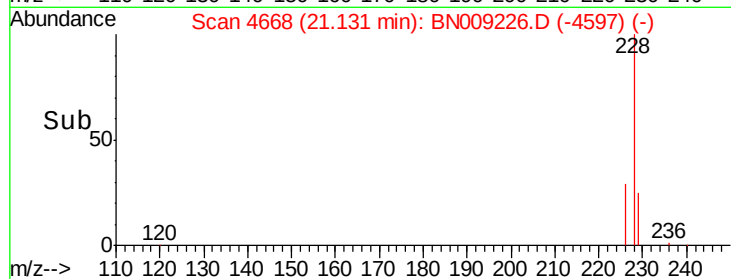
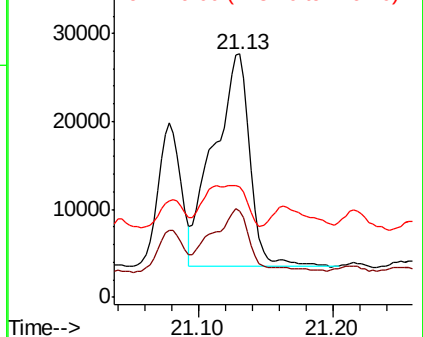
229 45.4 15.4 23.0#



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: 1.230 ng/ul

RT: 22.60 min Scan# 5171

Delta R.T. 0.02 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

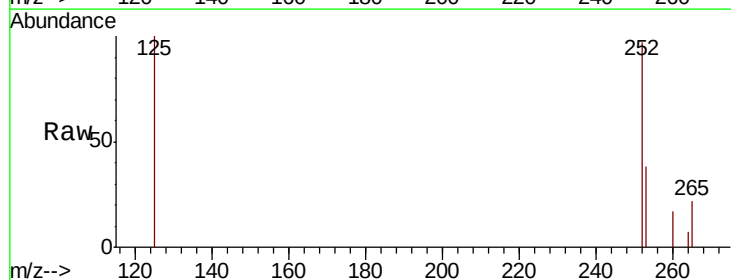
Tgt Ion:252 Resp: 43576

Ion Ratio Lower Upper

252 100

253 39.2 0.0 48.2

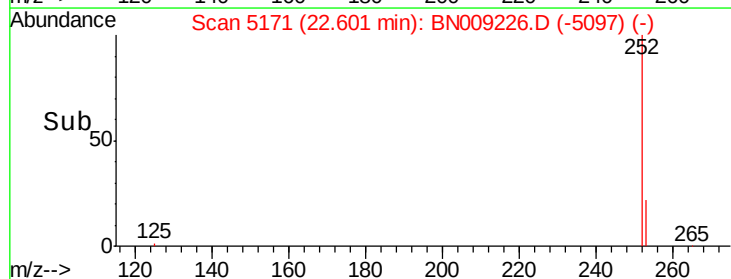
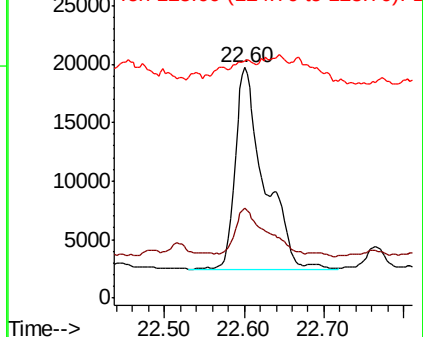
125 103.2 0.0 30.0#

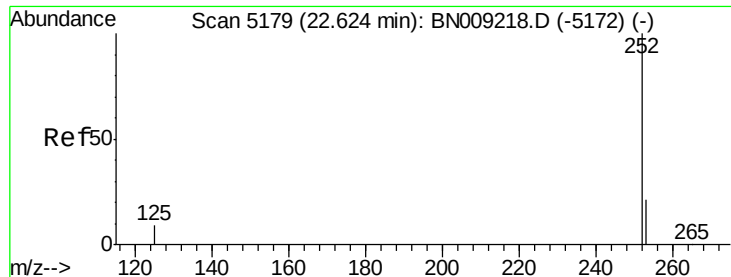


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.220 ng/ul

RT: 22.60 min Scan# 5171

Delta R.T. -0.02 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

Instrument :

BNA_N

ClientSampleId :

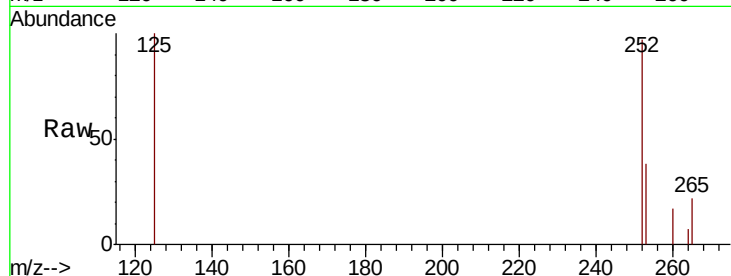
Tot Ion:252 Resp: 43576

Ion Ratio Lower Upper

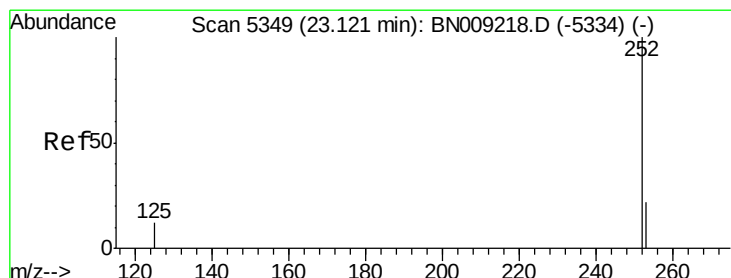
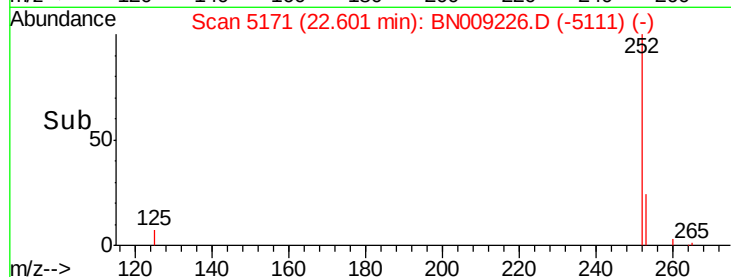
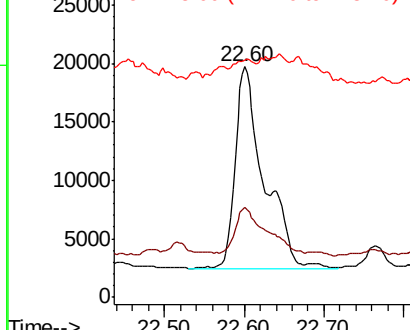
252 100

253 39.2 19.4 29.0#

125 103.2 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: 0.488 ng/ul

RT: 23.14 min Scan# 5356

Delta R.T. 0.02 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

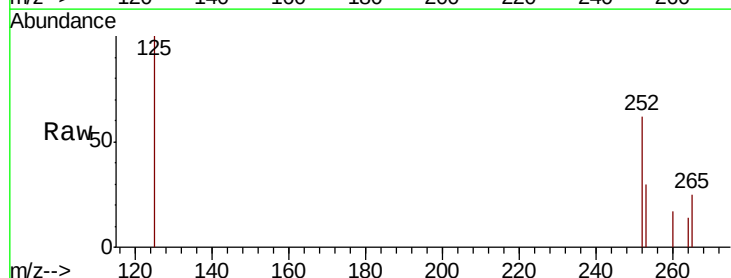
Tgt Ion:252 Resp: 15160

Ion Ratio Lower Upper

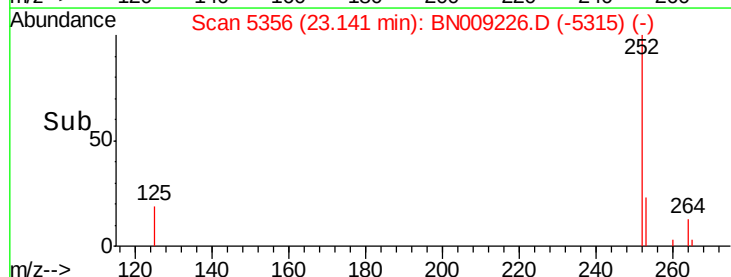
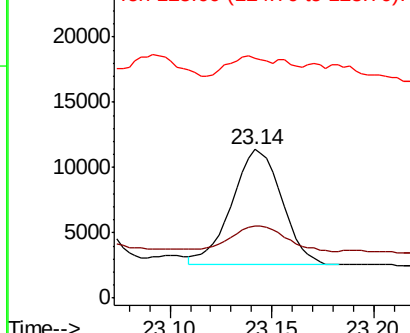
252 100

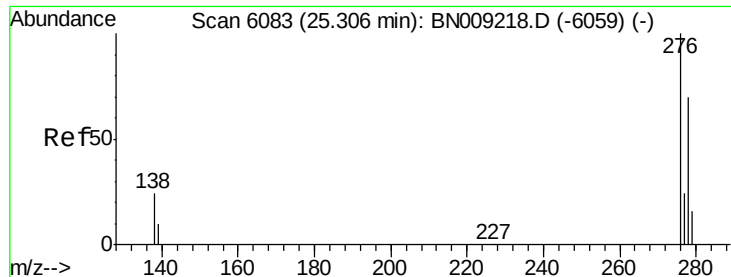
253 48.6 20.2 30.4#

125 161.3 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



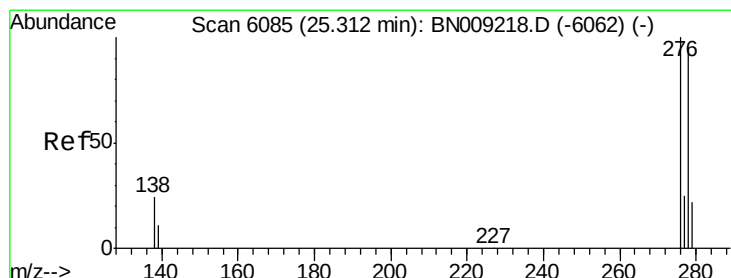
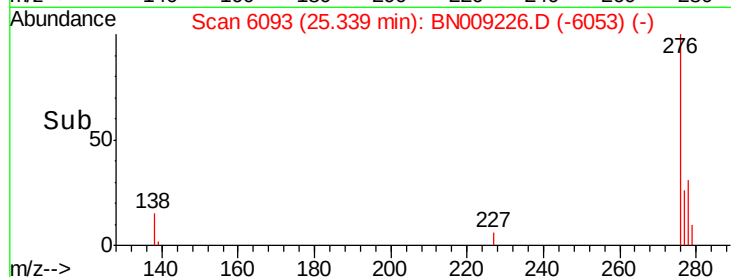
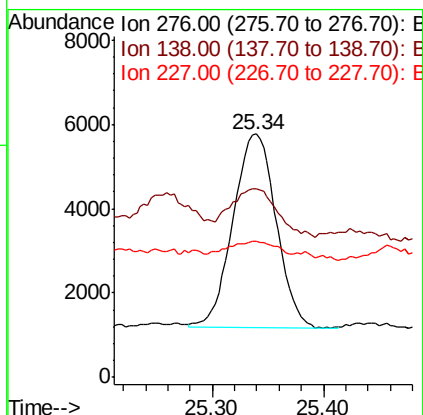
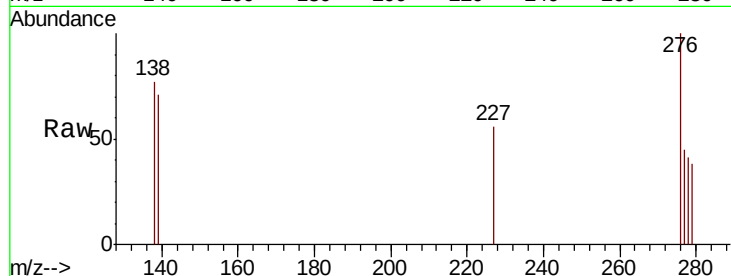


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.366 ng/ul
RT: 25.34 min Scan# 6093
Delta R.T. 0.03 min
Lab File: BN009226.D
Acq: 28 Dec 2019 13:54

Instrument :
BNA_N
ClientSampleId :

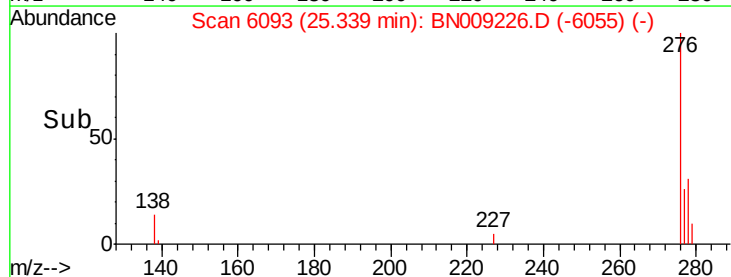
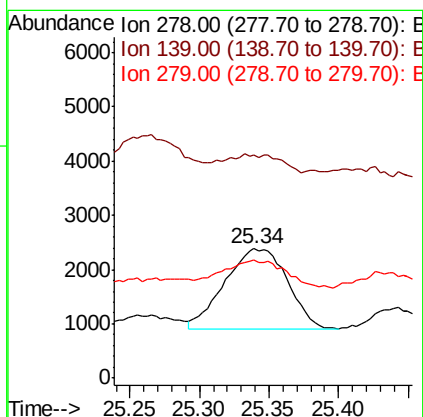
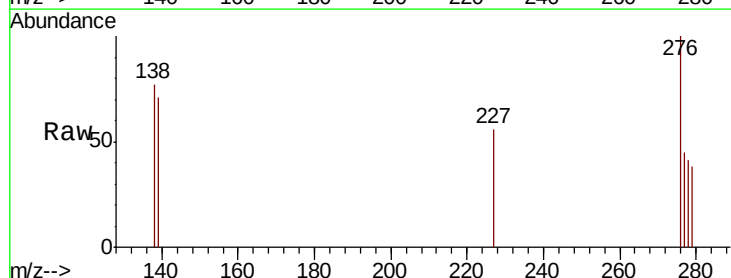
Tot Ion:276 Resp: 12380
Ion Ratio Lower Upper
276 100
138 27.4 22.4 33.6
227 9.7 0.2 0.4#

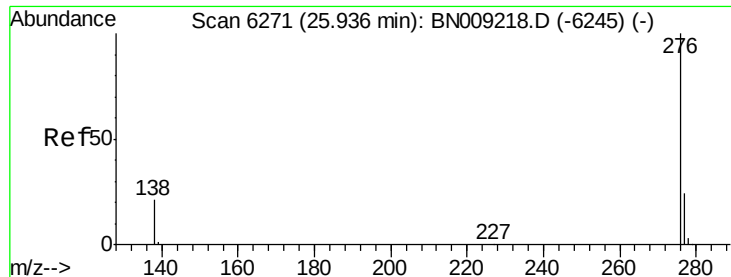


#25

Dibenzo(a,h)anthracene
Concen: 0.173 ng/ul
RT: 25.34 min Scan# 6093
Delta R.T. 0.03 min
Lab File: BN009226.D
Acq: 28 Dec 2019 13:54

Tgt Ion:278 Resp: 4667
Ion Ratio Lower Upper
278 100
139 172.7 16.2 24.2#
279 91.6 20.3 30.5#





#26

Benzo(a,h,i)perylene

Concen: 0.473 ng/ul

RT: 25.98 min Scan# 6283

Delta R.T. 0.04 min

Lab File: BN009226.D

Acq: 28 Dec 2019 13:54

Instrument :

BNA_N

ClientSampleId :

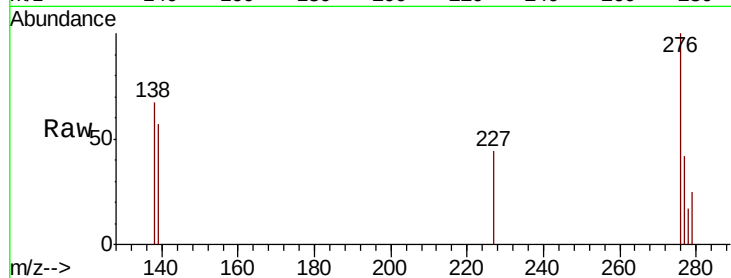
Tot Ion:276 Resp: 13468

Ion Ratio Lower Upper

276 100

138 67.4 20.6 30.8#

277 42.2 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

