

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009217.D
 Acq On : 28 Dec 2019 05:17
 Operator : JU
 Sample : K6277-23
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 28 05:48:12 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 : Sat Dec 28 04:39:07 2019
 Response via : Initial Calibration

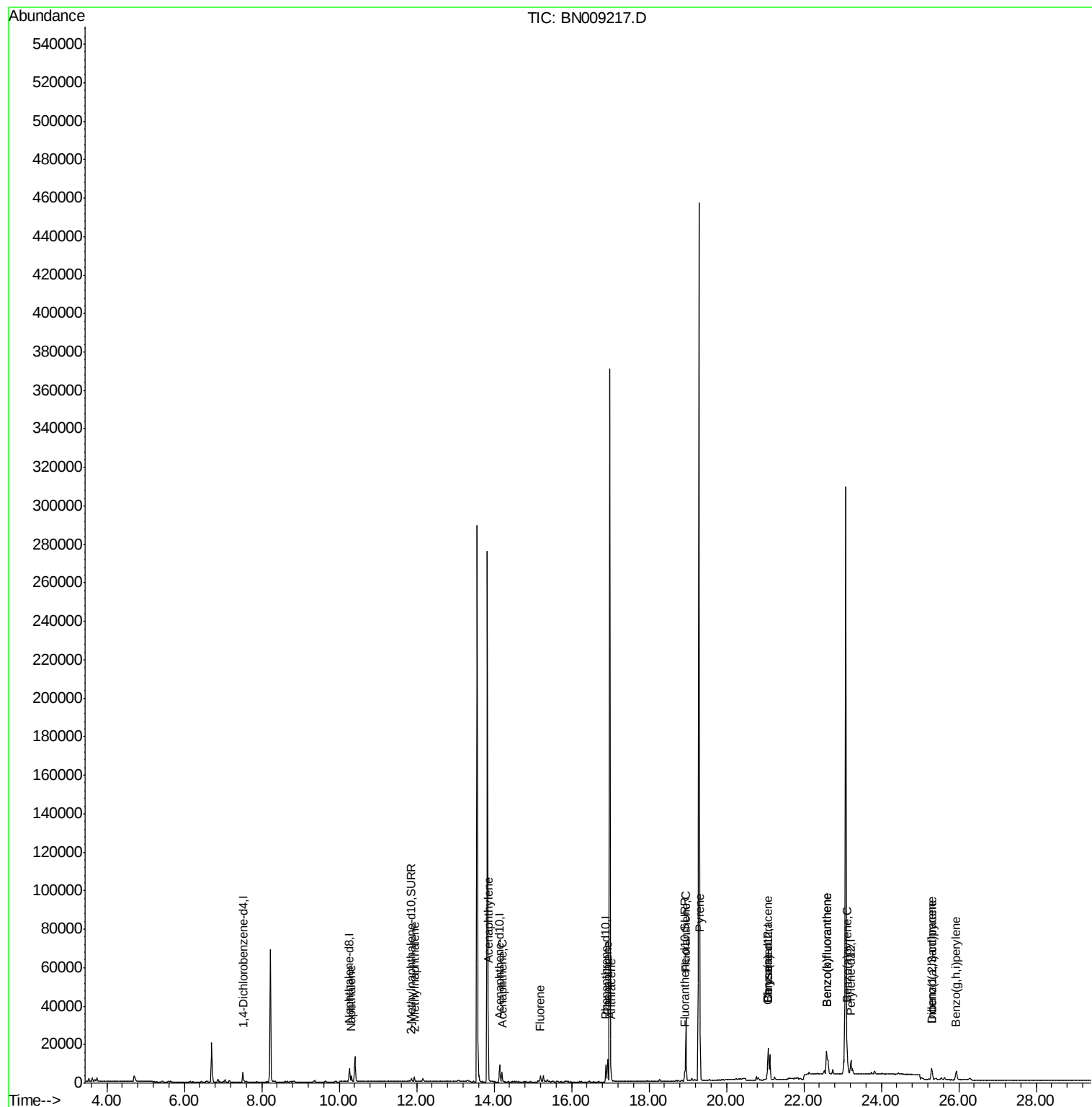
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2394	0.40	ng/ul	0.00
2) Naphthalene-d8	10.27	136	8894	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4998	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10363	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	8164	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	8527	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	2265	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	5445	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	3902	0.145	ng/ul	95
5) 2-Methylnaphthalene	11.94	142	1746	0.086	ng/ul	99
7) Acenaphthylene	13.86	152	2177	0.083	ng/ul#	92
8) Acenaphthene	14.20	153	2844	0.138	ng/ul	100
9) Fluorene	15.20	166	1901	0.078	ng/ul#	97
12) Phenanthrene	16.93	178	11910	0.330	ng/ul	99
13) Anthracene	17.02	178	2932	0.091	ng/ul#	92
15) Fluoranthene	18.95	202	27412	0.665	ng/ul	99
17) Pyrene	19.32	202	23458	0.563	ng/ul	99
18) Benzo(a)anthracene	21.07	228	12629	0.348	ng/ul	93
19) Chrysene	21.07	228	12629	0.347	ng/ul	96
21) Benzo(b)fluoranthene	22.59	252	26004	0.653	ng/ul	89
22) Benzo(k)fluoranthene	22.59	252	26004	0.648	ng/ul#	90
23) Benzo(a)pyrene	23.12	252	11707	0.336	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.31	276	8918	0.235	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	2142	0.071	ng/ul#	39
26) Benzo(a,h,i)perylene	25.94	276	8644	0.270	ng/ul	91

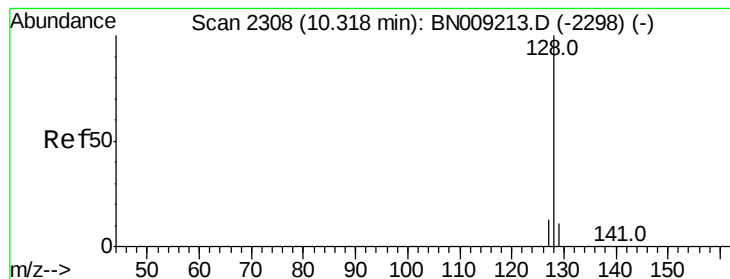
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.145 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampleId :

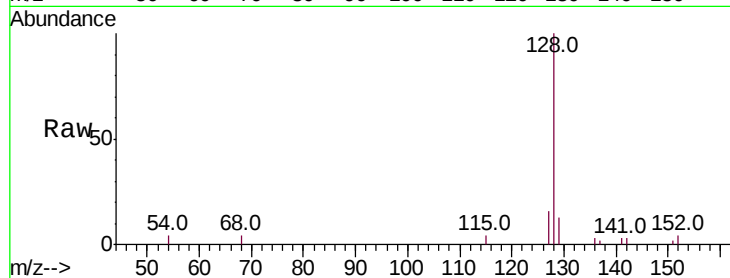
Tot Ion:128 Resp: 3902

Ion Ratio Lower Upper

128 100

129 13.4 9.0 13.4

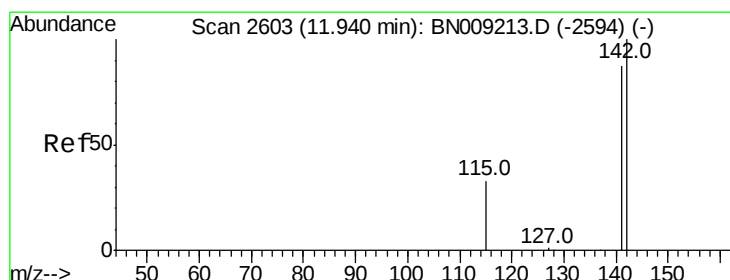
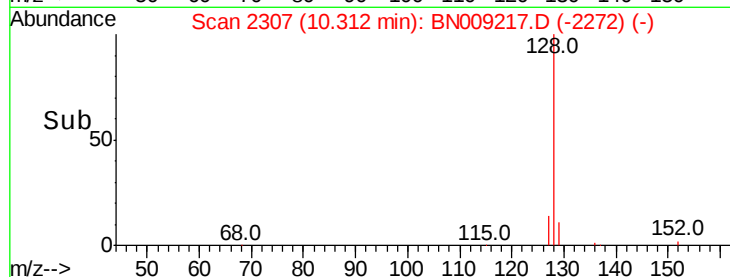
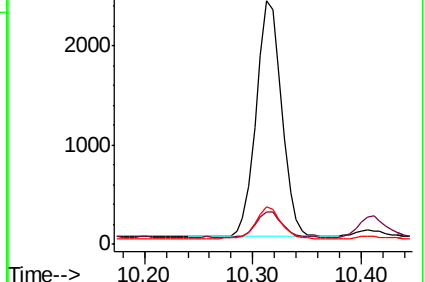
127 15.6 10.9 16.3



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: 0.086 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. -0.00 min

Lab File: BN009217.D

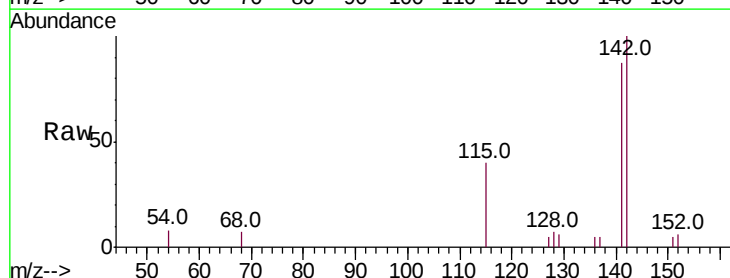
Acq: 28 Dec 2019 05:17

Tgt Ion:142 Resp: 1746

Ion Ratio Lower Upper

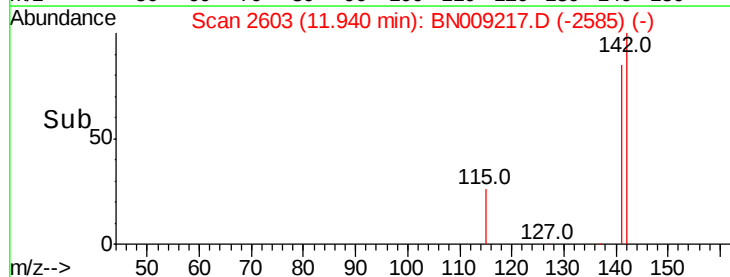
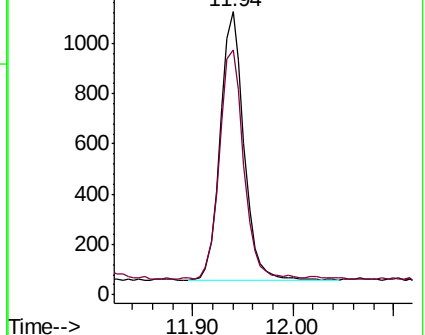
142 100

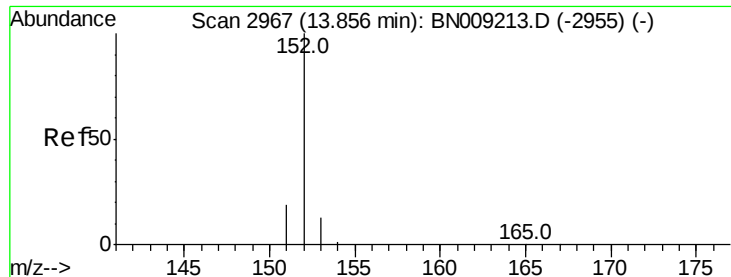
141 88.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.083 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampleId :

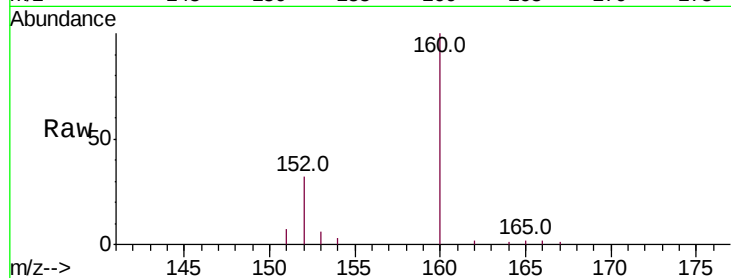
Tot Ion:152 Resp: 2177

Ion Ratio Lower Upper

152 100

151 22.5 15.7 23.5

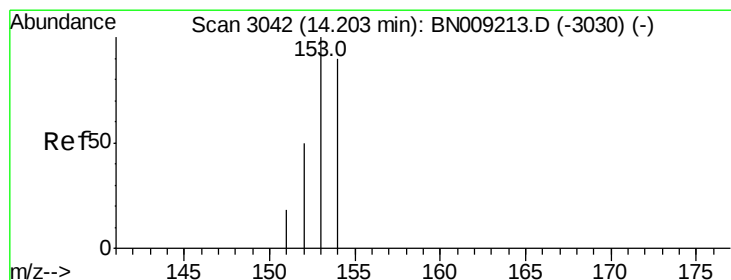
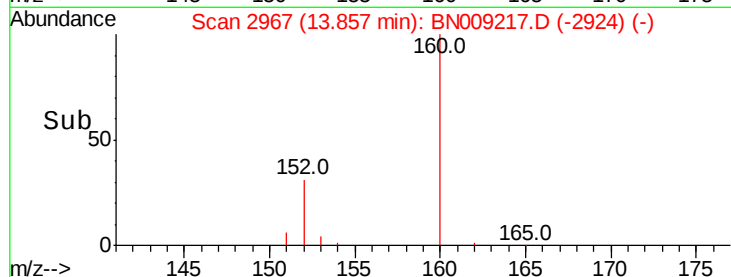
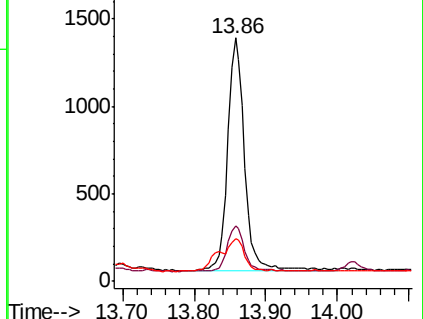
153 17.7 10.8 16.2#



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: 0.138 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

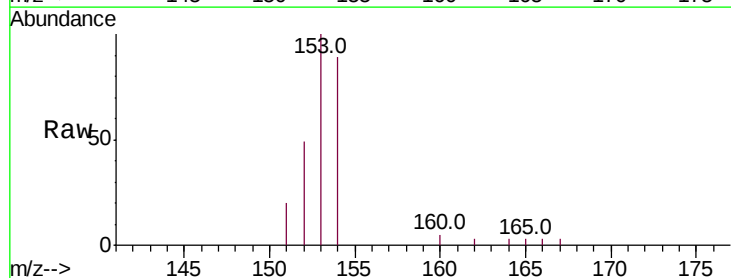
Tgt Ion:153 Resp: 2844

Ion Ratio Lower Upper

153 100

152 49.1 39.5 59.3

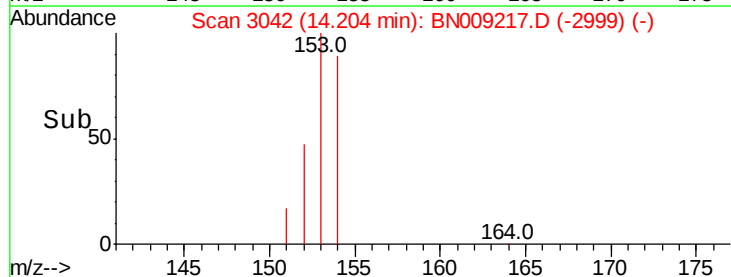
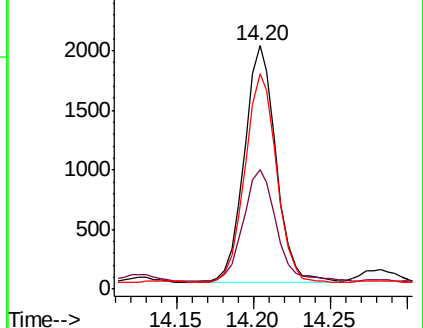
154 88.6 71.3 106.9

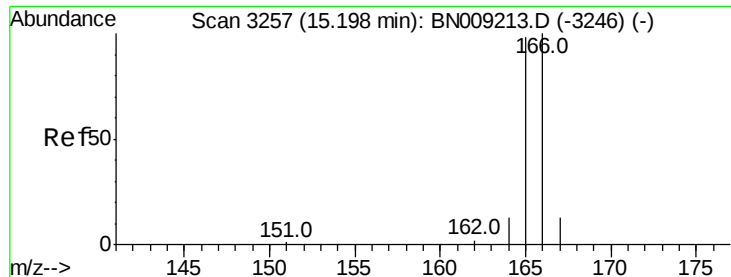


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.078 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampleId :

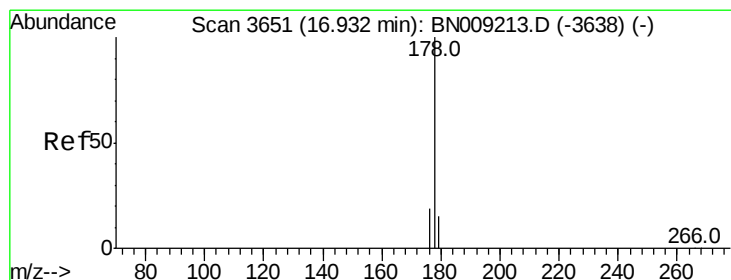
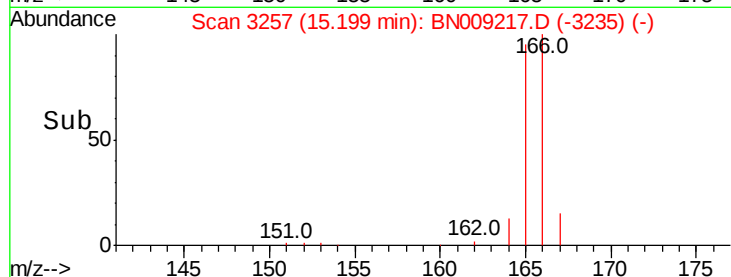
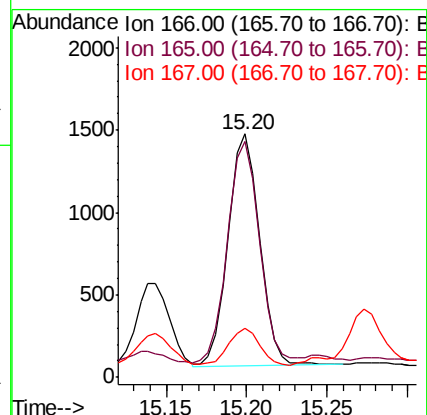
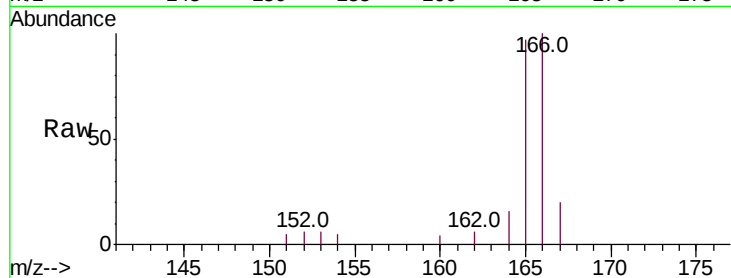
Tot Ion:166 Resp: 1901

Ion Ratio Lower Upper

166 100

165 97.1 78.2 117.4

167 20.3 11.0 16.6#



#12

Phenanthrene

Concen: 0.330 ng/ul

RT: 16.93 min Scan# 3651

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

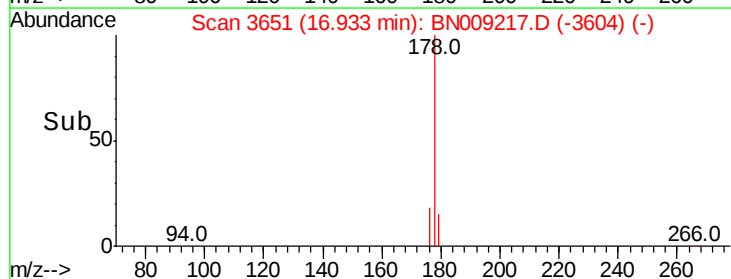
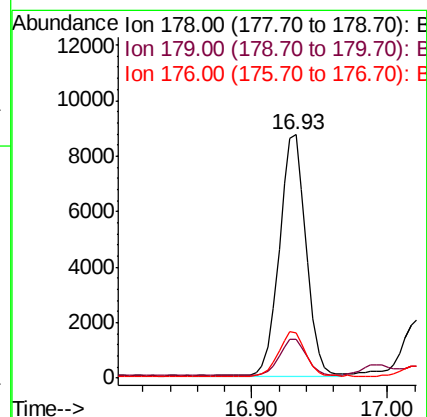
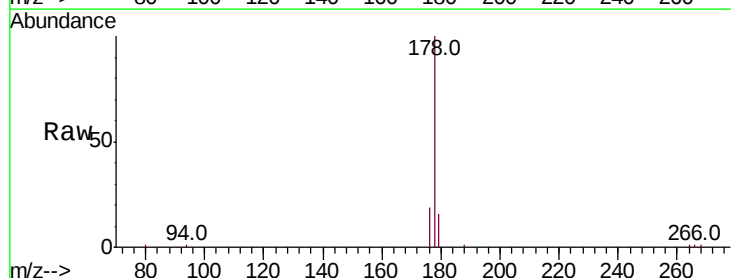
Tgt Ion:178 Resp: 11910

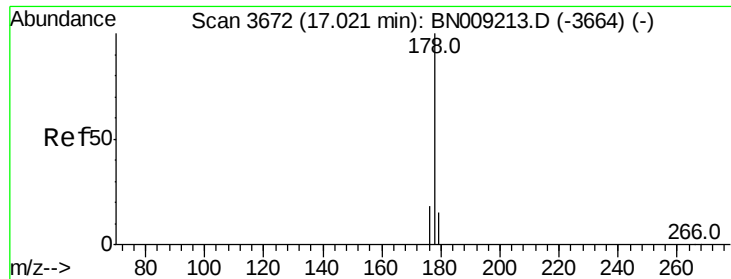
Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

176 18.8 15.1 22.7





#13

Anthracene

Concen: 0.091 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampleId :

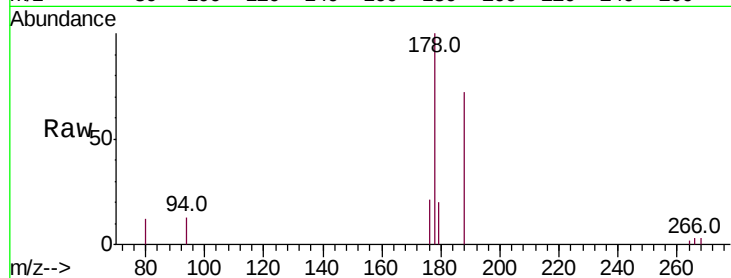
Tot Ion:178 Resp: 2932

Ion Ratio Lower Upper

178 100

179 20.1 12.5 18.7#

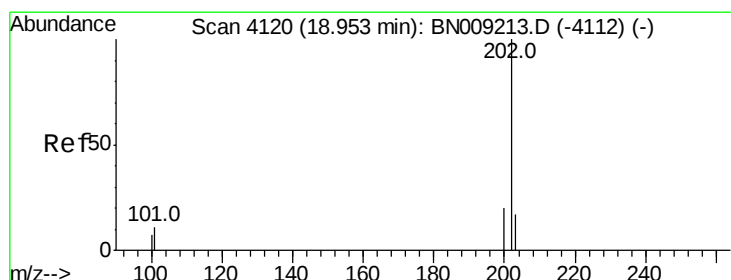
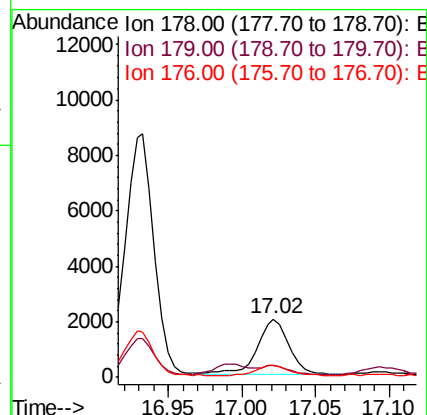
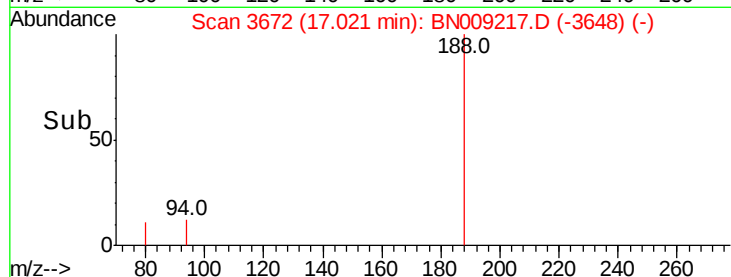
176 20.9 14.9 22.3



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: 0.665 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

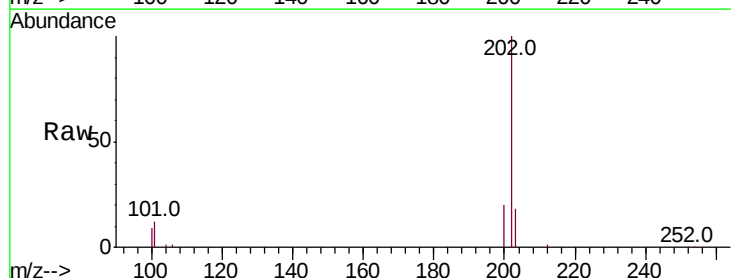
Tgt Ion:202 Resp: 27412

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.5

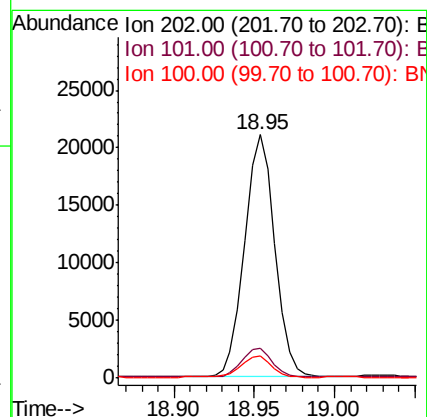
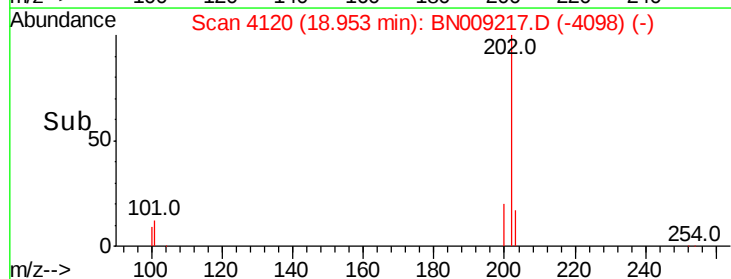
100 9.0 0.0 28.9

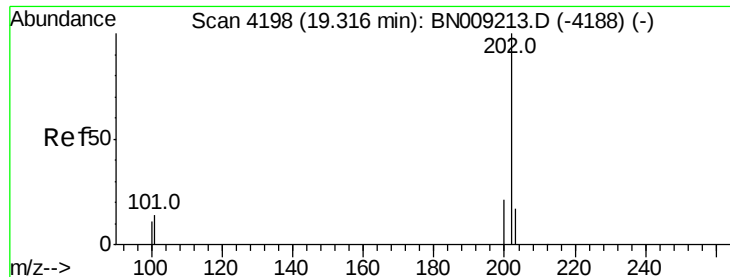


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 0.563 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampleId :

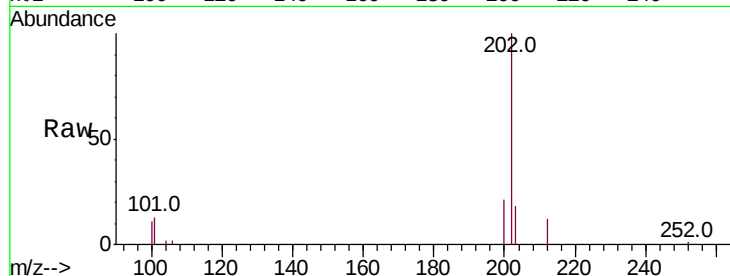
Tot Ion:202 Resp: 23458

Ion Ratio Lower Upper

202 100

101 13.3 10.9 16.3

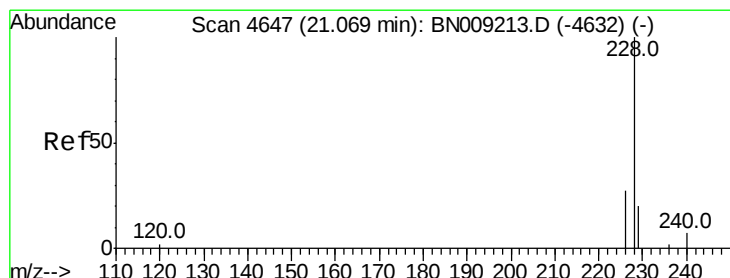
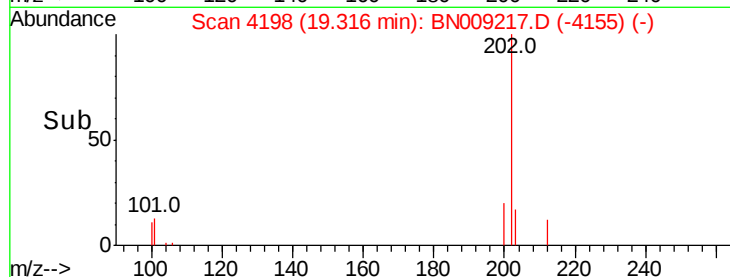
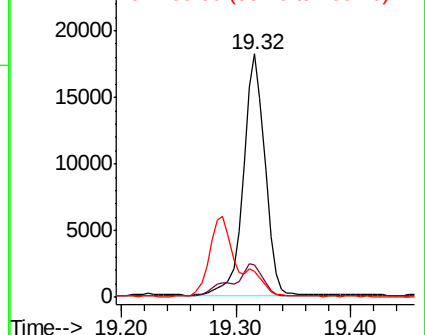
100 10.8 9.0 13.6



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: 0.348 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

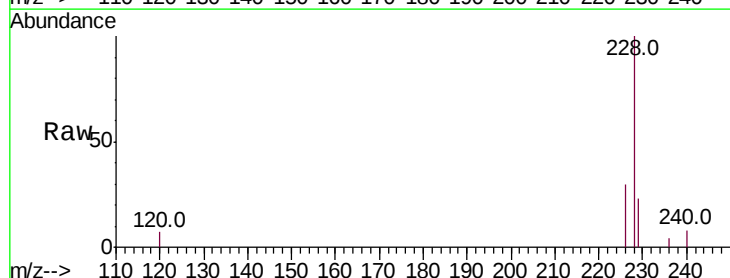
Tgt Ion:228 Resp: 12629

Ion Ratio Lower Upper

228 100

229 23.0 15.5 23.3

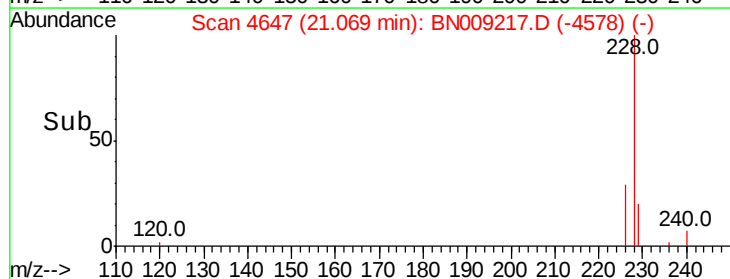
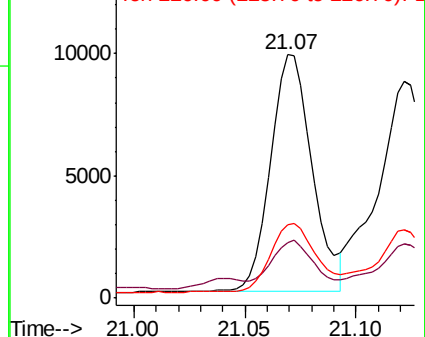
226 30.1 21.7 32.5

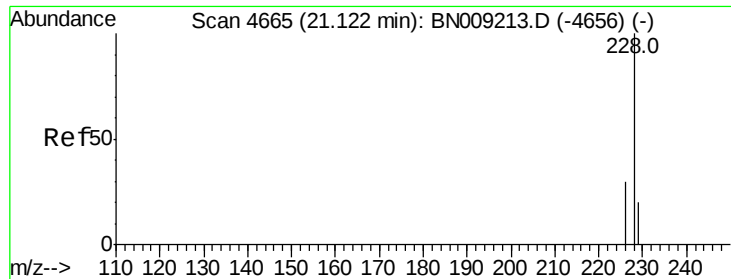


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.347 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.05 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampled :

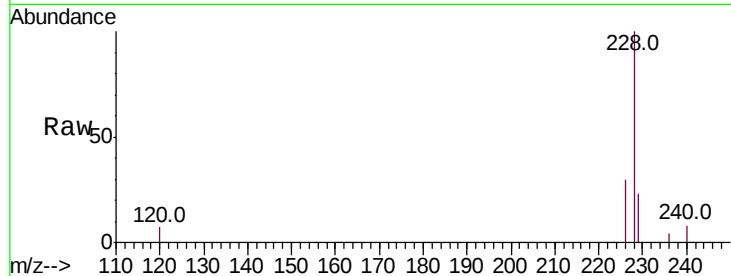
Tot Ion:228 Resp: 12629

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

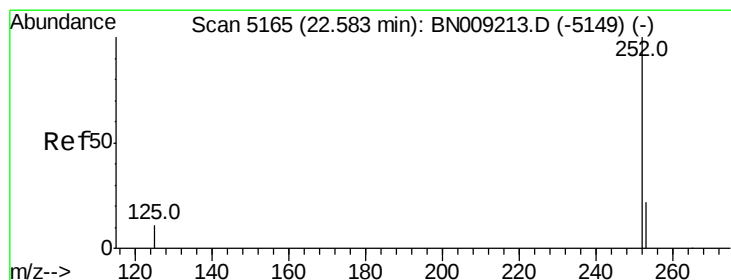
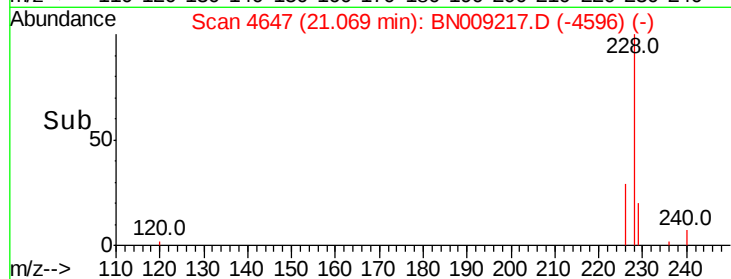
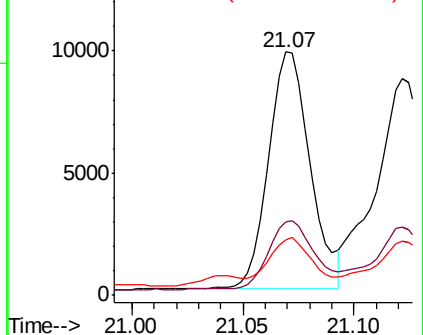
229 23.0 15.4 23.0



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: 0.653 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

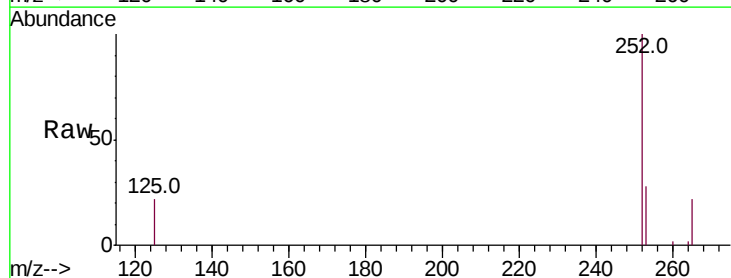
Tgt Ion:252 Resp: 26004

Ion Ratio Lower Upper

252 100

253 27.6 0.0 48.2

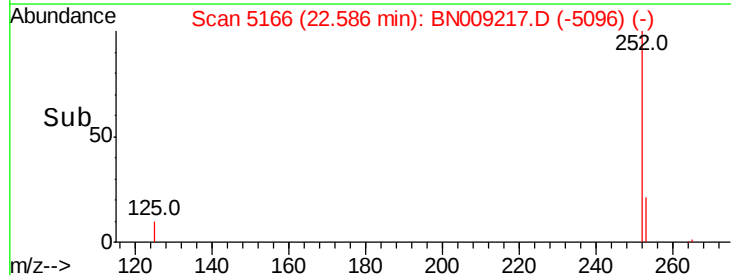
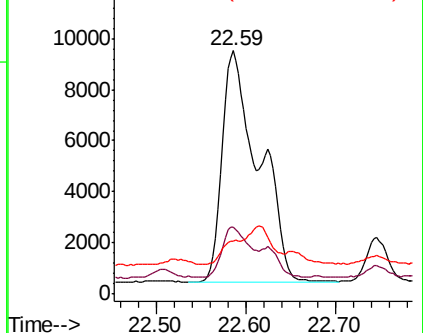
125 21.8 0.0 30.0

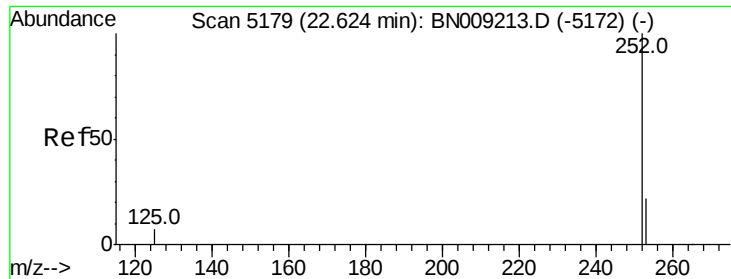


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.648 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampleId :

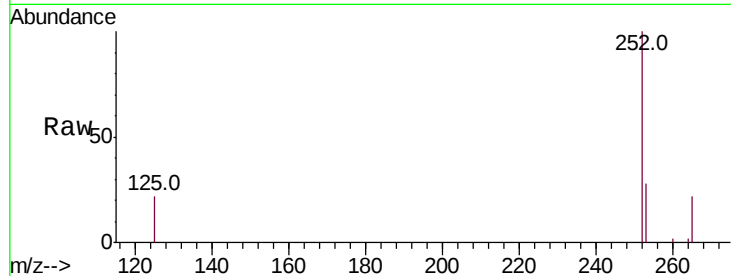
Tot Ion:252 Resp: 26004

Ion Ratio Lower Upper

252 100

253 27.6 19.4 29.0

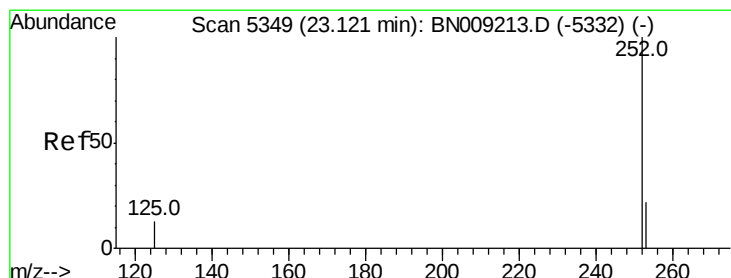
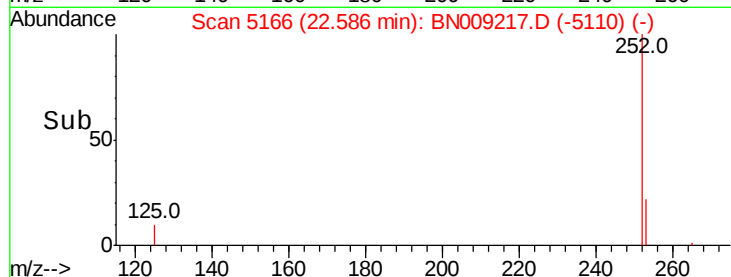
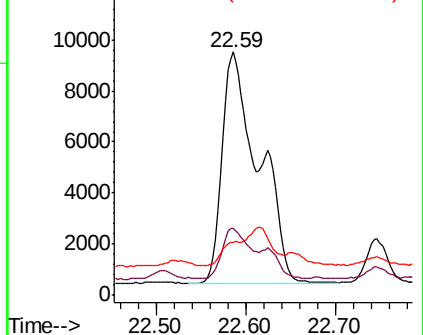
125 21.8 12.4 18.6#



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: 0.336 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

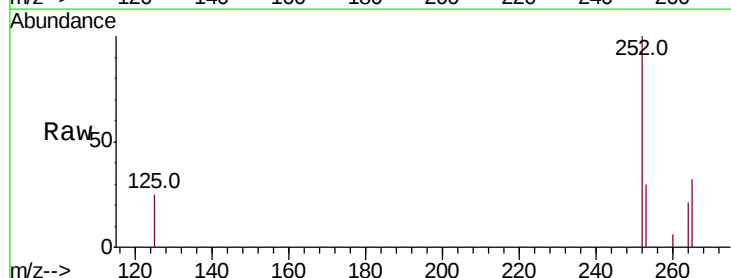
Tgt Ion:252 Resp: 11707

Ion Ratio Lower Upper

252 100

253 29.9 20.2 30.4

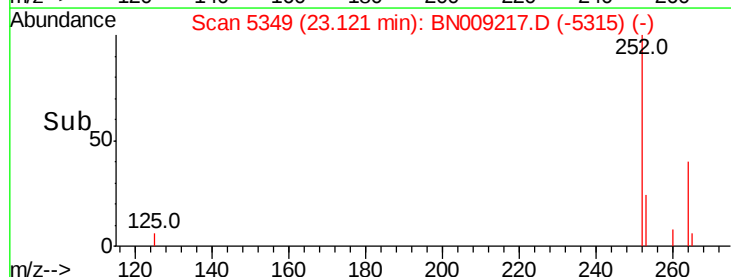
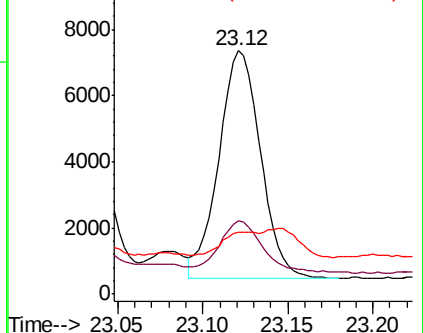
125 25.2 13.2 19.8#

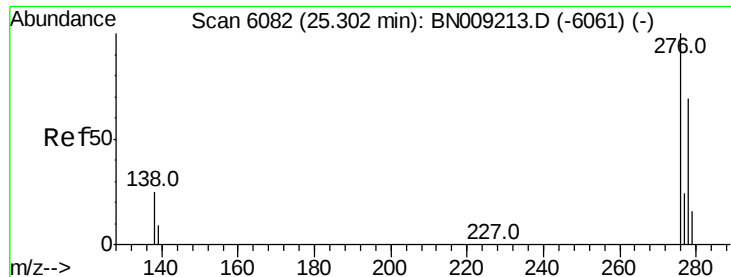


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.235 ng/ul

RT: 25.31 min Scan# 6083

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampleId :

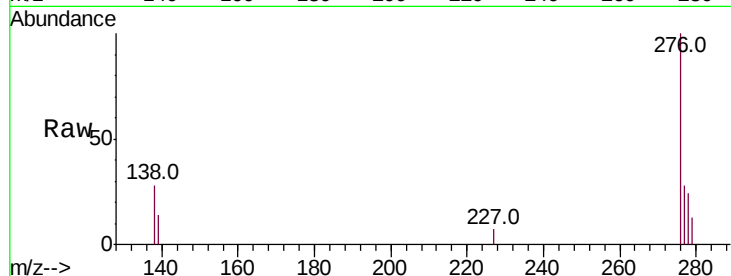
Tot Ion:276 Resp: 8918

Ion Ratio Lower Upper

276 100

138 22.0 22.4 33.6#

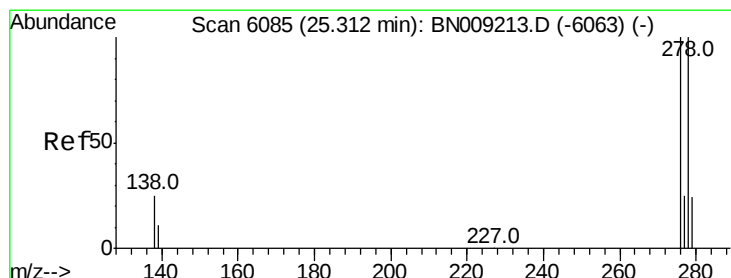
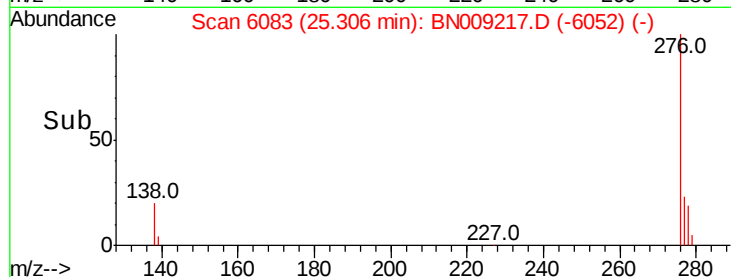
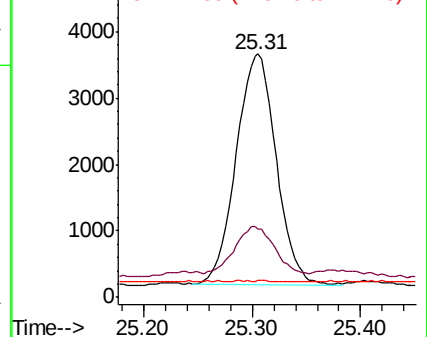
227 0.2 0.2 0.4#



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: 0.071 ng/ul

RT: 25.31 min Scan# 6085

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

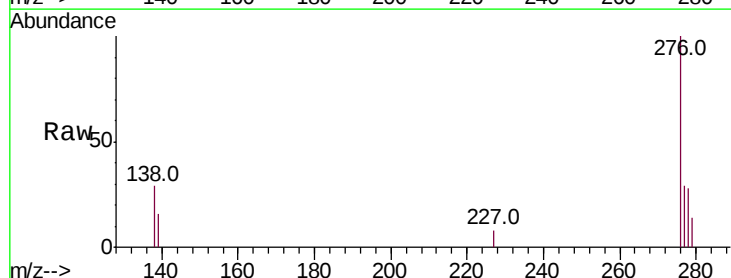
Tgt Ion:278 Resp: 2142

Ion Ratio Lower Upper

278 100

139 55.5 16.2 24.2#

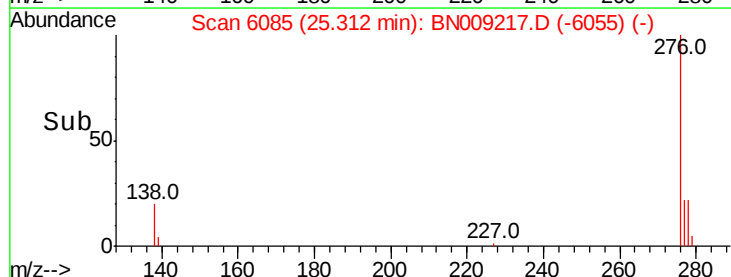
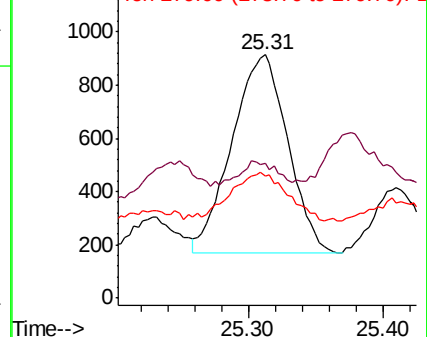
279 50.3 20.3 30.5#

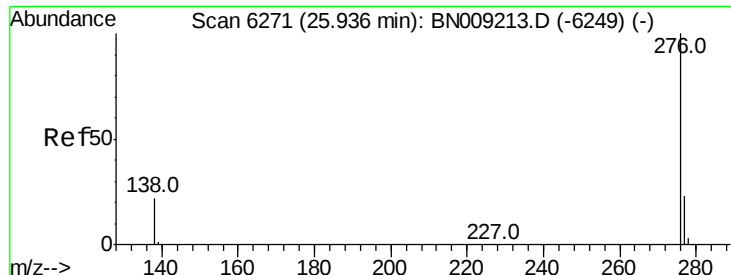


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.270 ng/ul

RT: 25.94 min Scan# 6271

Delta R.T. 0.00 min

Lab File: BN009217.D

Acq: 28 Dec 2019 05:17

Instrument :

BNA_N

ClientSampleId :

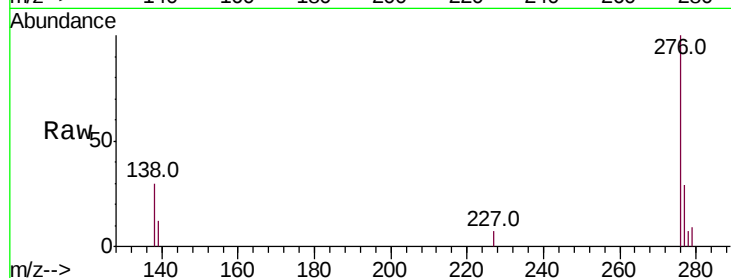
Tot Ion:276 Resp: 8644

Ion Ratio Lower Upper

276 100

138 30.4 20.6 30.8

277 28.6 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

