

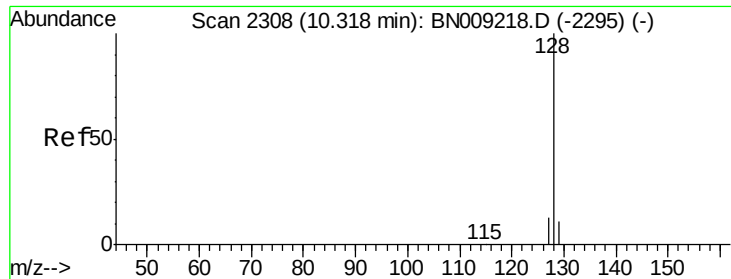
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009227.D
 Acq On : 28 Dec 2019 14:30
 Operator : JU
 Sample : K6278-22DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 03:37:58 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	2336	0.40	ng/ul	0.00
2) Naphthalene-d8	10.27	136	8637	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4830	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9481	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7168	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	7572	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	470	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.93	212	953	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	8205	0.313	ng/ul	98
5) 2-Methylnaphthalene	11.93	142	10015	0.506	ng/ul	99
7) Acenaphthylene	13.86	152	829	0.033	ng/ul#	54
9) Fluorene	15.20	166	744	0.032	ng/ul#	56
12) Phenanthrene	16.93	178	18468	0.560	ng/ul	94
13) Anthracene	17.02	178	1157	0.039	ng/ul#	34
15) Fluoranthene	18.96	202	9013	0.239	ng/ul	95
17) Pyrene	19.32	202	8499	0.232	ng/ul#	95
18) Benzo(a)anthracene	21.08	228	4139	0.130	ng/ul#	35
19) Chrysene	21.12	228	10145	0.317	ng/ul#	56
21) Benzo(b)fluoranthene	22.59	252	9431	0.267	ng/ul#	1
22) Benzo(k)fluoranthene	22.59	252	9431	0.265	ng/ul#	1
23) Benzo(a)pyrene	23.13	252	3238	0.105	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.32	276	2752	0.082	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.32	278	1116	0.042	ng/ul#	1
26) Benzo(a,h,i)perylene	25.95	276	2862	0.101	ng/ul#	11

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



#3

Naphthalene

Concen: 0.313 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

Instrument :

BNA_N

ClientSampleId :

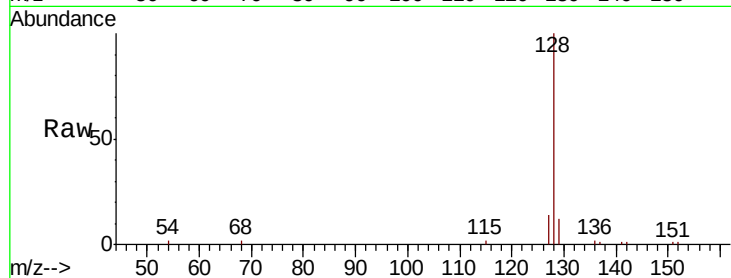
Tot Ion:128 Resp: 8205

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.4

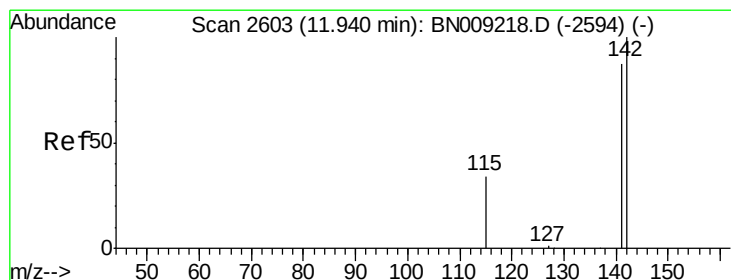
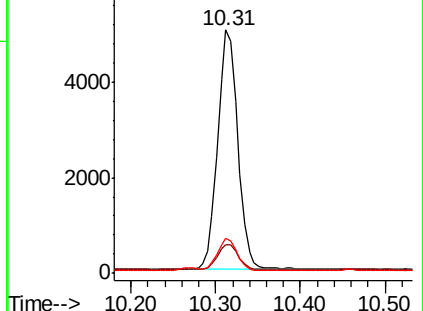
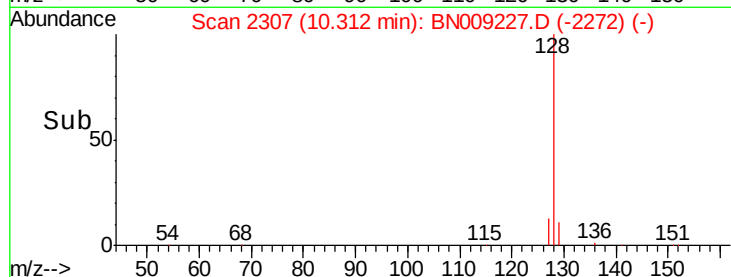
127 14.3 10.9 16.3



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: 0.506 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BN009227.D

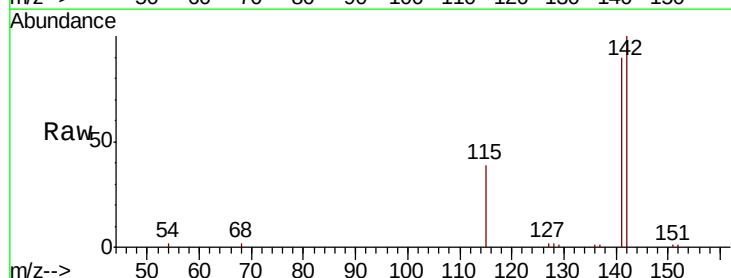
Acq: 28 Dec 2019 14:30

Tgt Ion:142 Resp: 10015

Ion Ratio Lower Upper

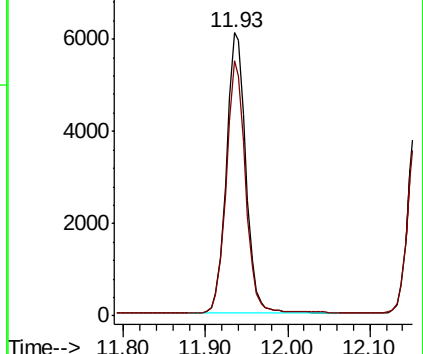
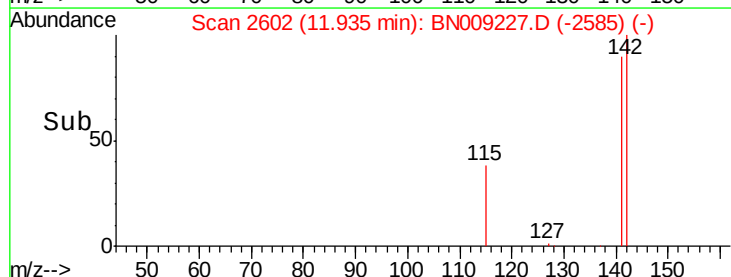
142 100

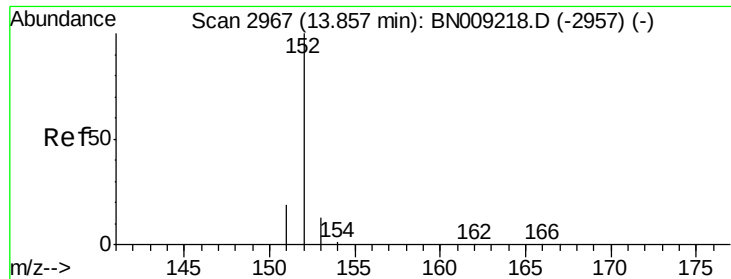
141 88.6 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.033 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

Instrument :

BNA_N

ClientSampleId :

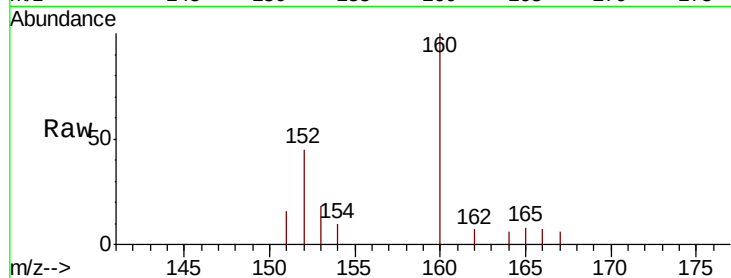
Tot Ion:152 Resp: 829

Ion Ratio Lower Upper

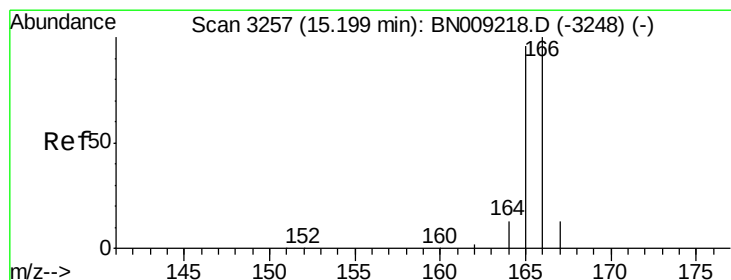
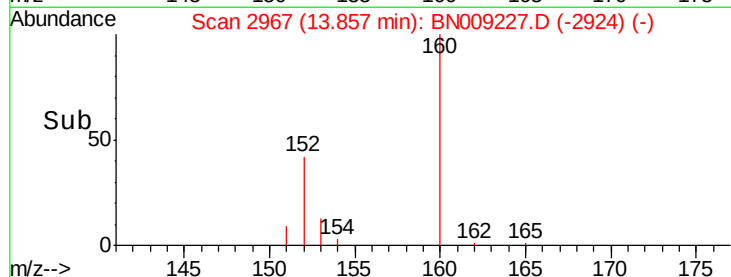
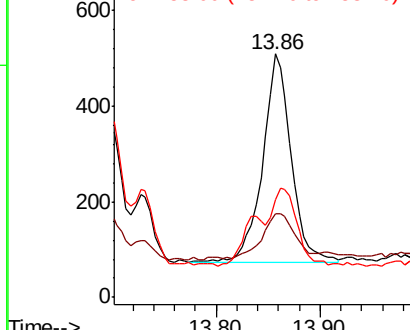
152 100

151 34.6 15.7 23.5#

153 40.1 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



#9

Fluorene

Concen: 0.032 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. -0.00 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

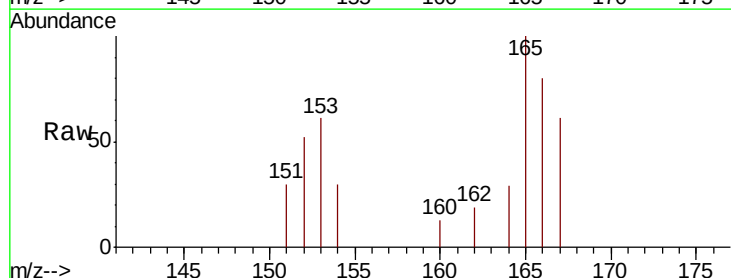
Tgt Ion:166 Resp: 744

Ion Ratio Lower Upper

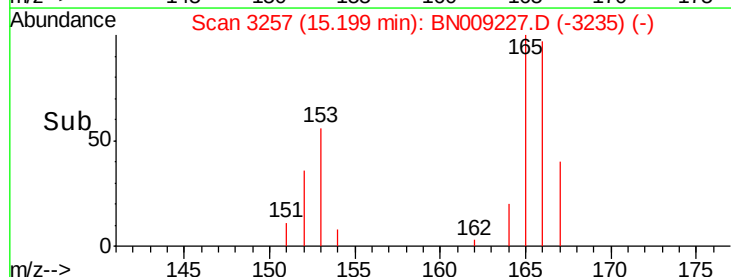
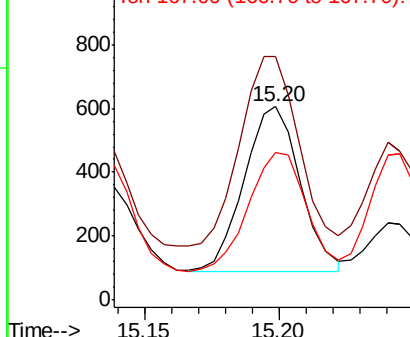
166 100

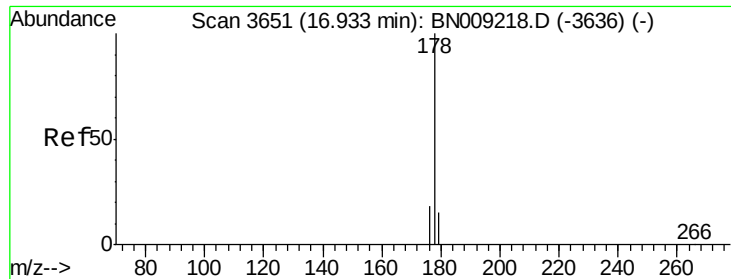
165 125.6 78.2 117.4#

167 76.4 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





#12

Phenanthrene

Concen: 0.560 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

Instrument :

BNA_N

ClientSampleId :

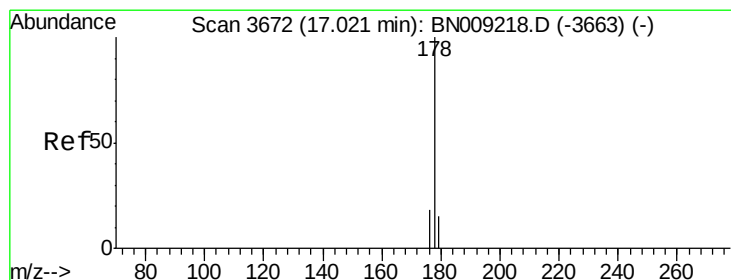
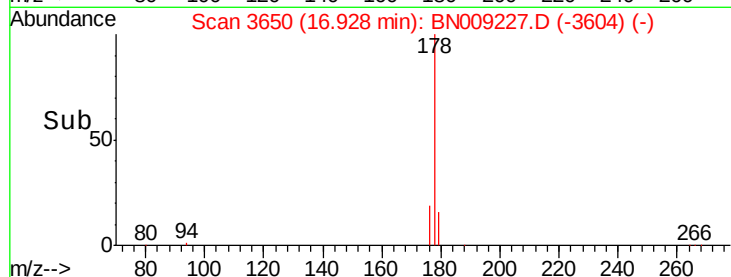
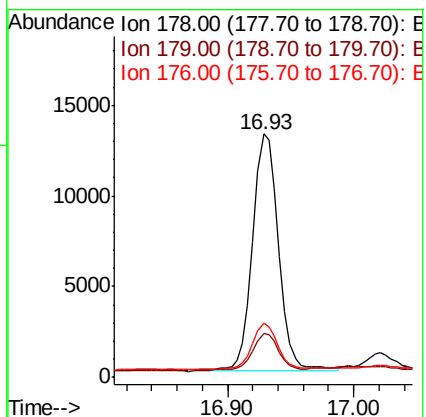
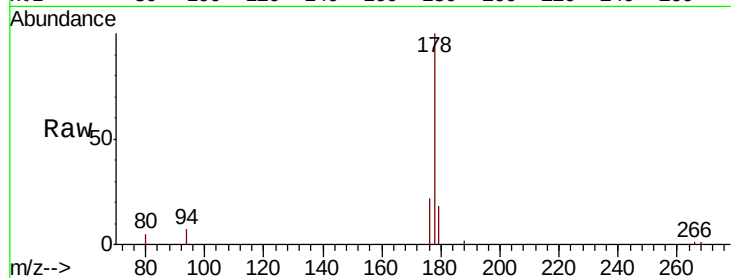
Tot Ion:178 Resp: 18468

Ion Ratio Lower Upper

178 100

179 17.8 12.3 18.5

176 22.0 15.1 22.7



#13

Anthracene

Concen: 0.039 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. -0.00 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

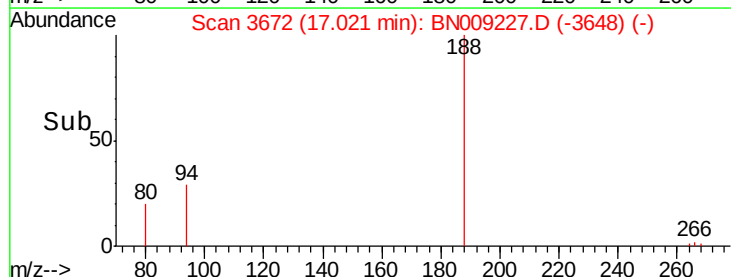
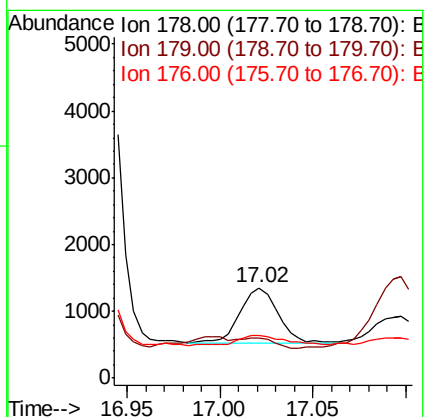
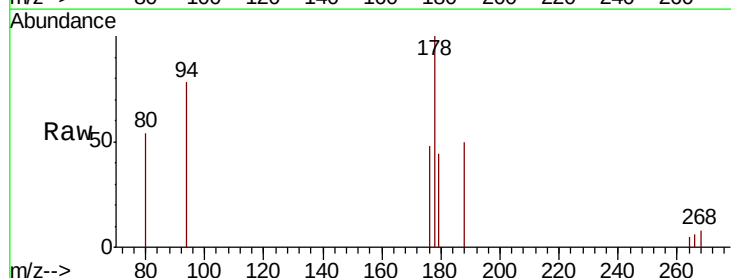
Tgt Ion:178 Resp: 1157

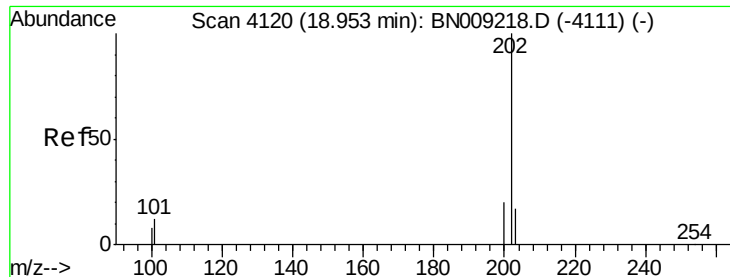
Ion Ratio Lower Upper

178 100

179 44.0 12.5 18.7#

176 47.5 14.9 22.3#





#15

Fluoranthene

Concen: 0.239 ng/ul

RT: 18.96 min Scan# 4121

Delta R.T. 0.00 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

Instrument :

BNA_N

ClientSampleId :

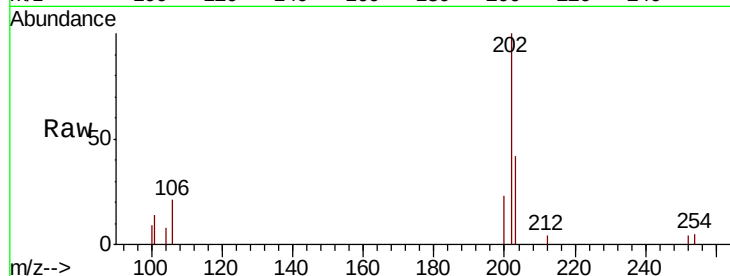
Tot Ion:202 Resp: 9013

Ion Ratio Lower Upper

202 100

101 14.3 0.0 31.5

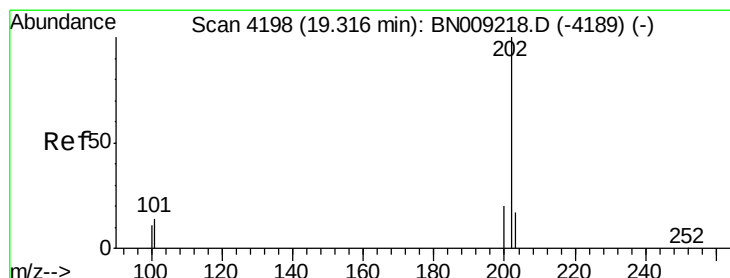
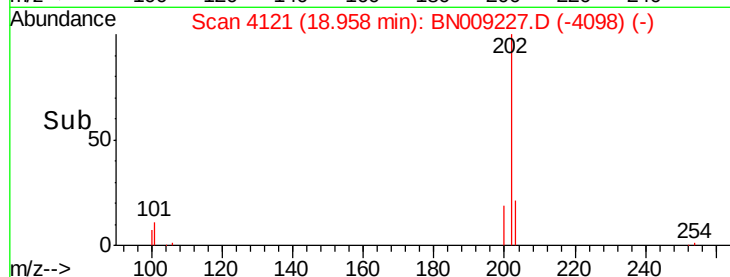
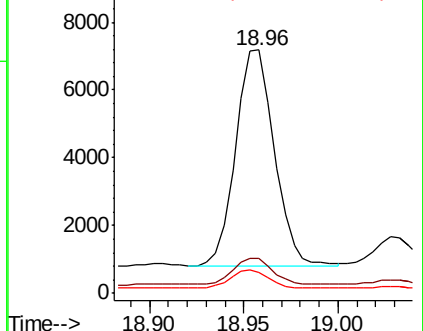
100 8.5 0.0 28.9



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: 0.232 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. -0.00 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

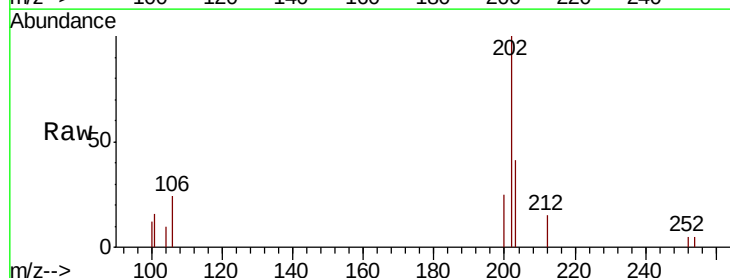
Tgt Ion:202 Resp: 8499

Ion Ratio Lower Upper

202 100

101 16.4 10.9 16.3#

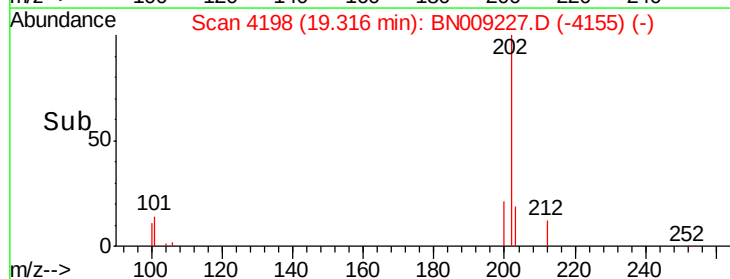
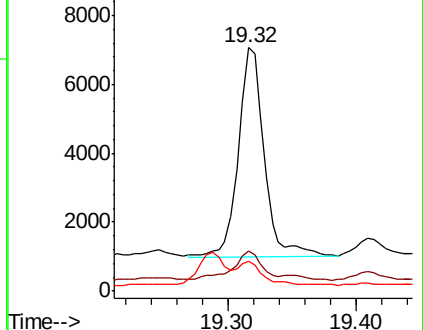
100 12.1 9.0 13.6

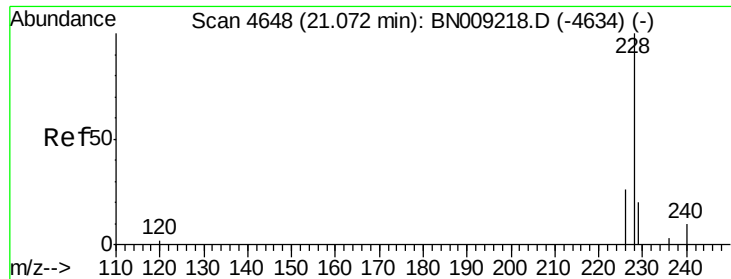


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.130 ng/ul

RT: 21.08 min Scan# 4649

Delta R.T. 0.00 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

Instrument :

BNA_N

ClientSampled :

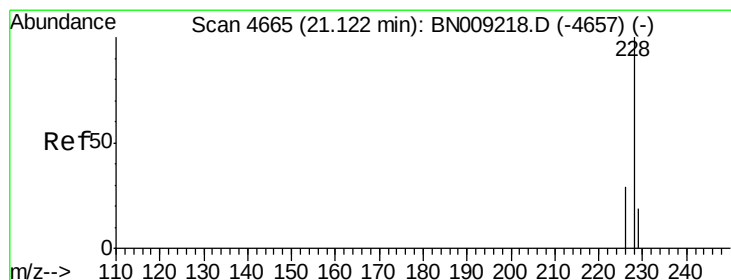
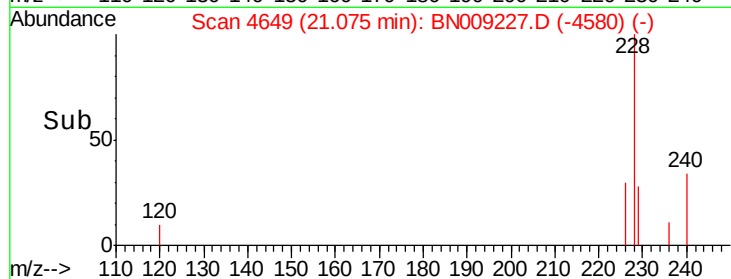
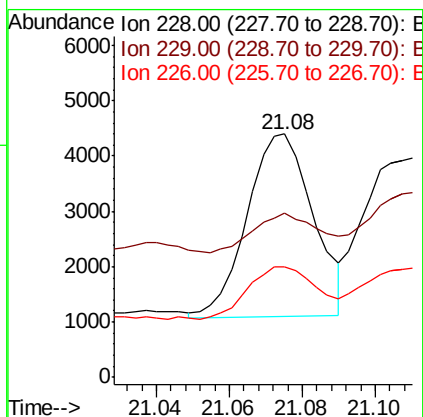
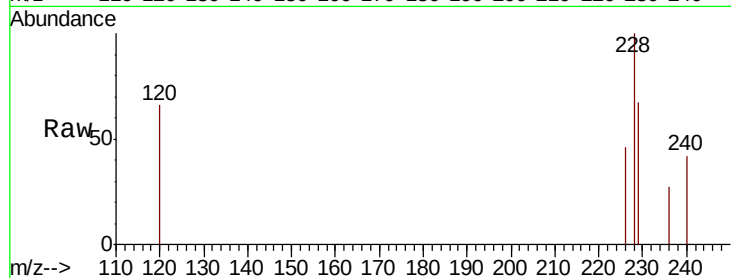
Tot Ion:228 Resp: 4139

Ion Ratio Lower Upper

228 100

229 67.4 15.5 23.3#

226 45.6 21.7 32.5#



#19

Chrysene

Concen: 0.317 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

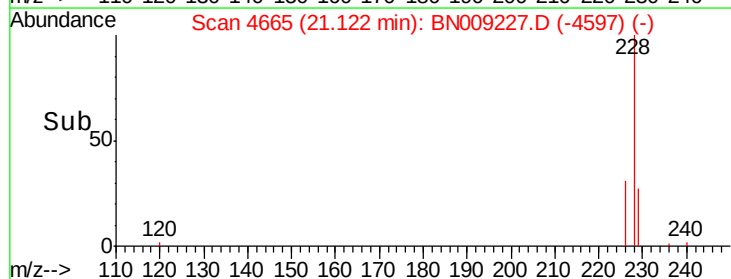
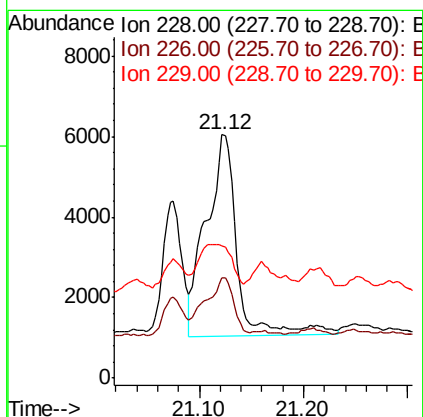
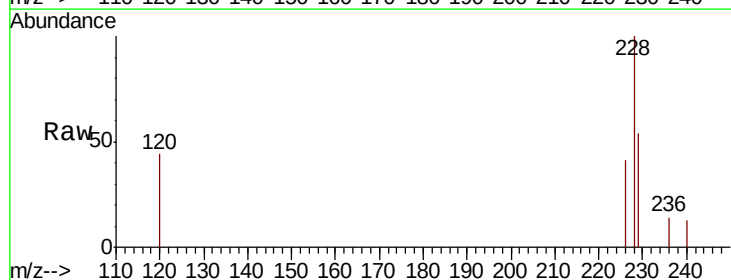
Tgt Ion:228 Resp: 10145

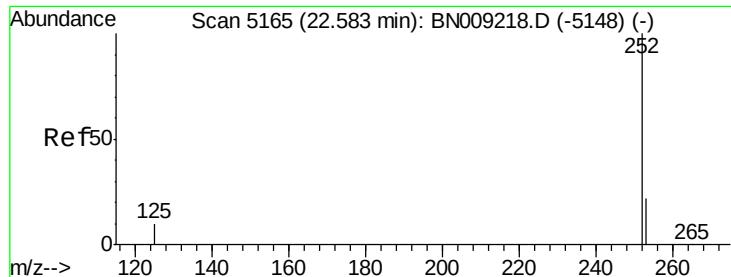
Ion Ratio Lower Upper

228 100

226 41.1 23.7 35.5#

229 54.4 15.4 23.0#





#21

Benzo(b)fluoranthene

Concen: 0.267 ng/ul

RT: 22.59 min Scan# 5168

Delta R.T. 0.01 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

Instrument :

BNA_N

ClientSampleId :

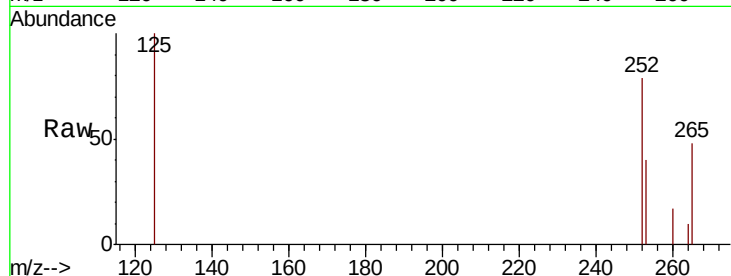
Tot Ion:252 Resp: 9431

Ion Ratio Lower Upper

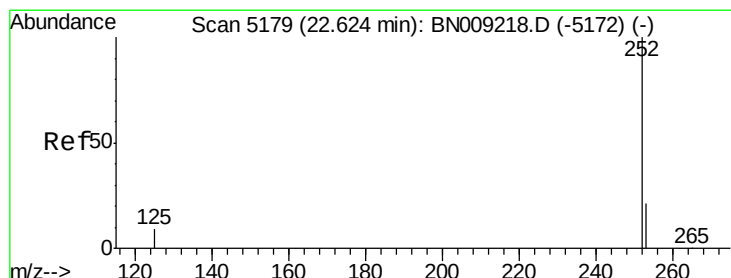
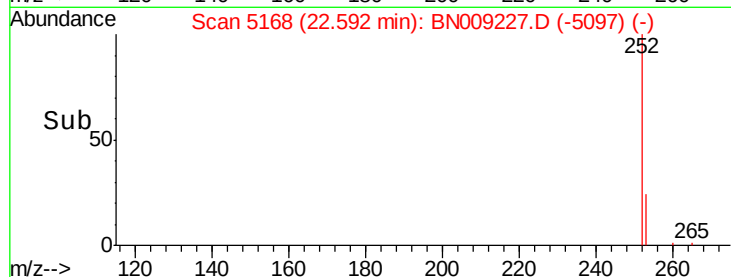
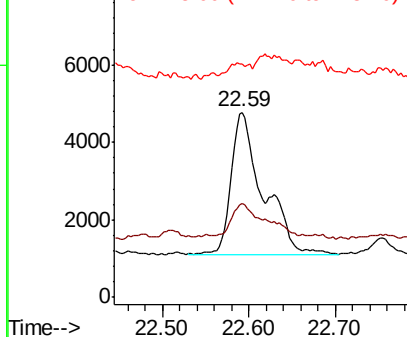
252 100

253 50.6 0.0 48.2#

125 126.0 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: 0.265 ng/ul

RT: 22.59 min Scan# 5168

Delta R.T. -0.03 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

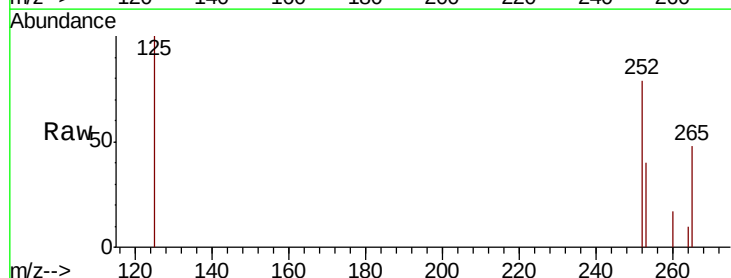
Tgt Ion:252 Resp: 9431

Ion Ratio Lower Upper

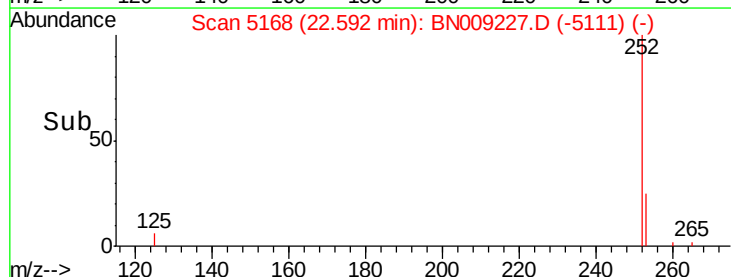
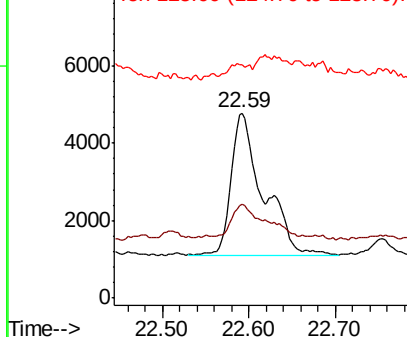
252 100

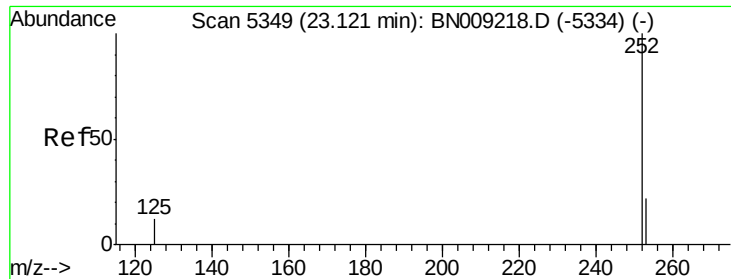
253 50.6 19.4 29.0#

125 126.0 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: 0.105 ng/ul

RT: 23.13 min Scan# 5352

Delta R.T. 0.01 min

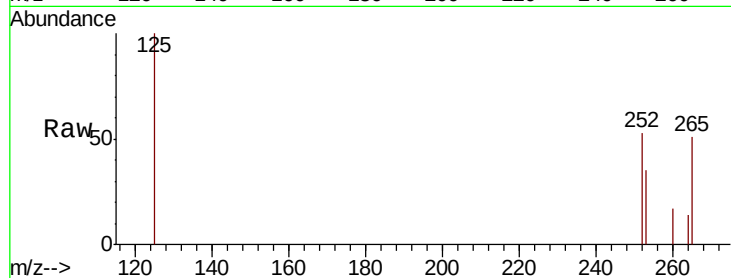
Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

Instrument :

BNA_N

ClientSampleId :



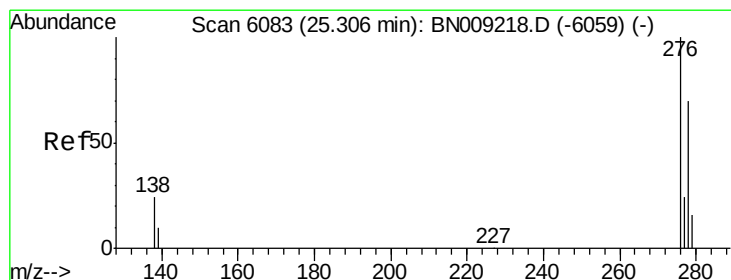
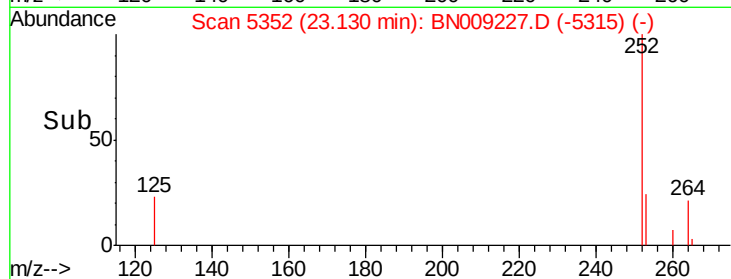
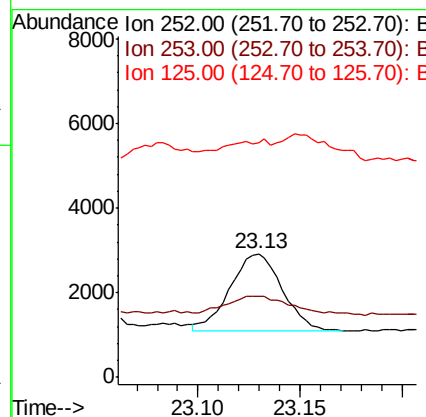
Tot Ion:252 Resp: 3238

Ion Ratio Lower Upper

252 100

253 65.8 20.2 30.4#

125 189.8 13.2 19.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.082 ng/ul

RT: 25.32 min Scan# 6087

Delta R.T. 0.01 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

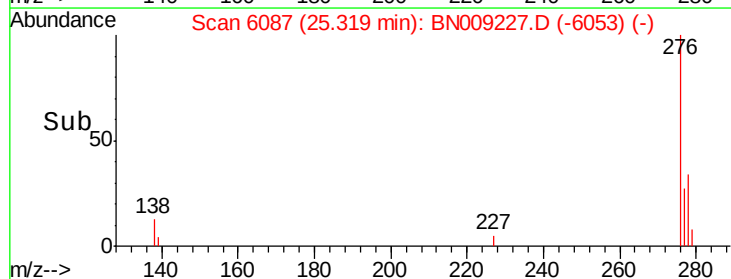
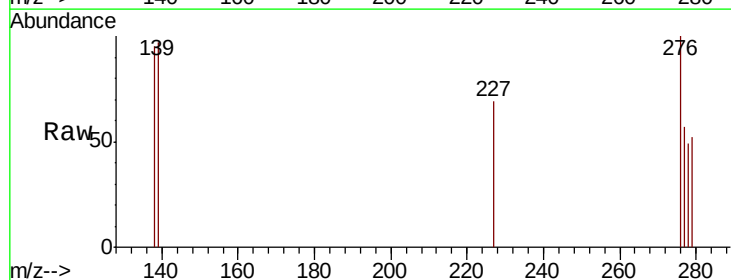
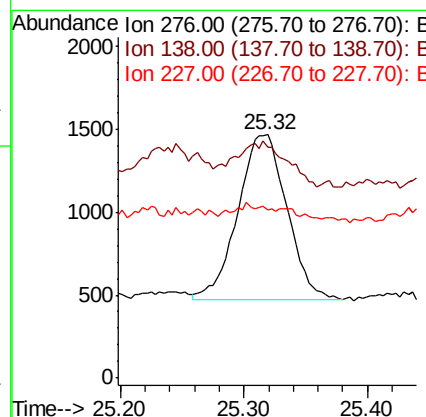
Tgt Ion:276 Resp: 2752

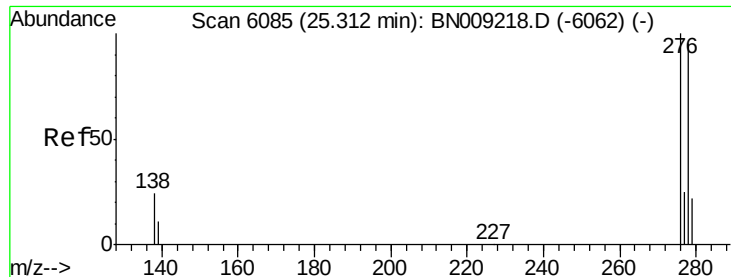
Ion Ratio Lower Upper

276 100

138 26.9 22.4 33.6

227 8.6 0.2 0.4#





#25

Dibenzo(a,h)anthracene

Concen: 0.042 ng/ul

RT: 25.32 min Scan# 6087

Delta R.T. 0.01 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

Instrument :

BNA_N

ClientSampleId :

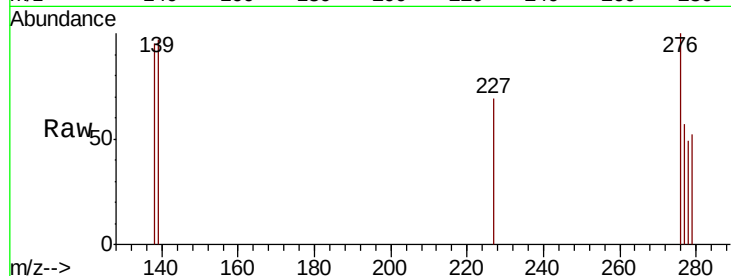
Tot Ion:278 Resp: 1116

Ion Ratio Lower Upper

278 100

139 197.9 16.2 24.2#

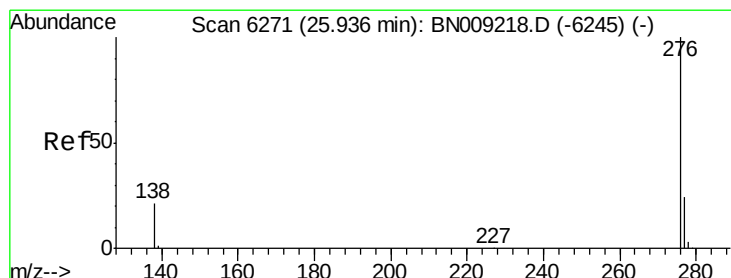
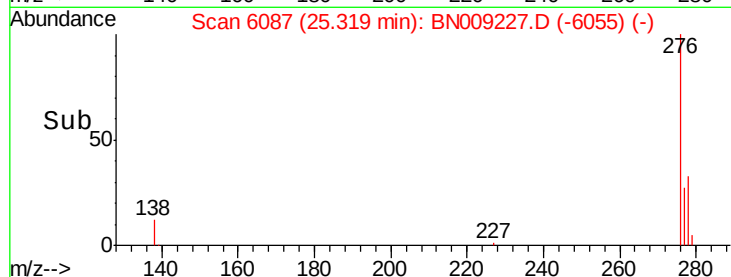
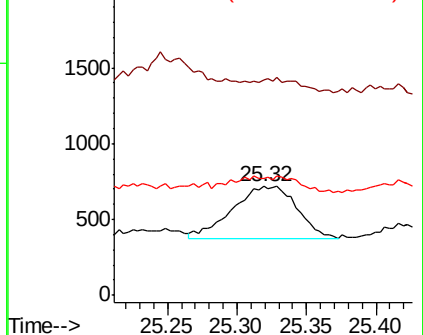
279 107.1 20.3 30.5#



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: 0.101 ng/ul

RT: 25.95 min Scan# 6274

Delta R.T. 0.01 min

Lab File: BN009227.D

Acq: 28 Dec 2019 14:30

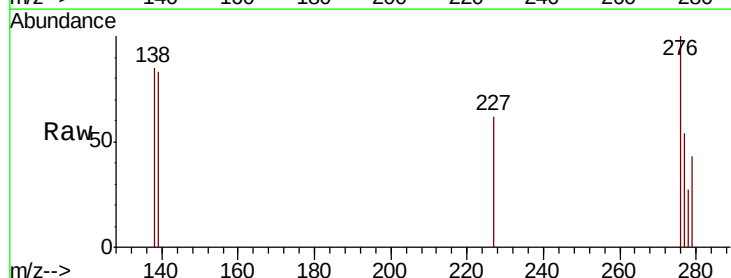
Tgt Ion:276 Resp: 2862

Ion Ratio Lower Upper

276 100

138 85.4 20.6 30.8#

277 53.5 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

