

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\
 Data File : BN000356.D
 Acq On : 13 Mar 2018 19:18
 Operator : JU/SJ
 Sample : J1864-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAMA7

Quant Time: Mar 14 08:13:52 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 14 08:11:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	160672	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	784970	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	461233	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1098418	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1220472	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1145939	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.76	160	1359926	29.71	ng/ul	0.00
10) Fluorene-d10	16.04	176	913827	29.48	ng/ul	0.00
14) Anthracene-d10	17.88	188	1524487	29.70	ng/ul	0.00
18) Pyrene-d10	20.13	212	1816258	30.42	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.23	264	1565127	29.91	ng/ul	0.00

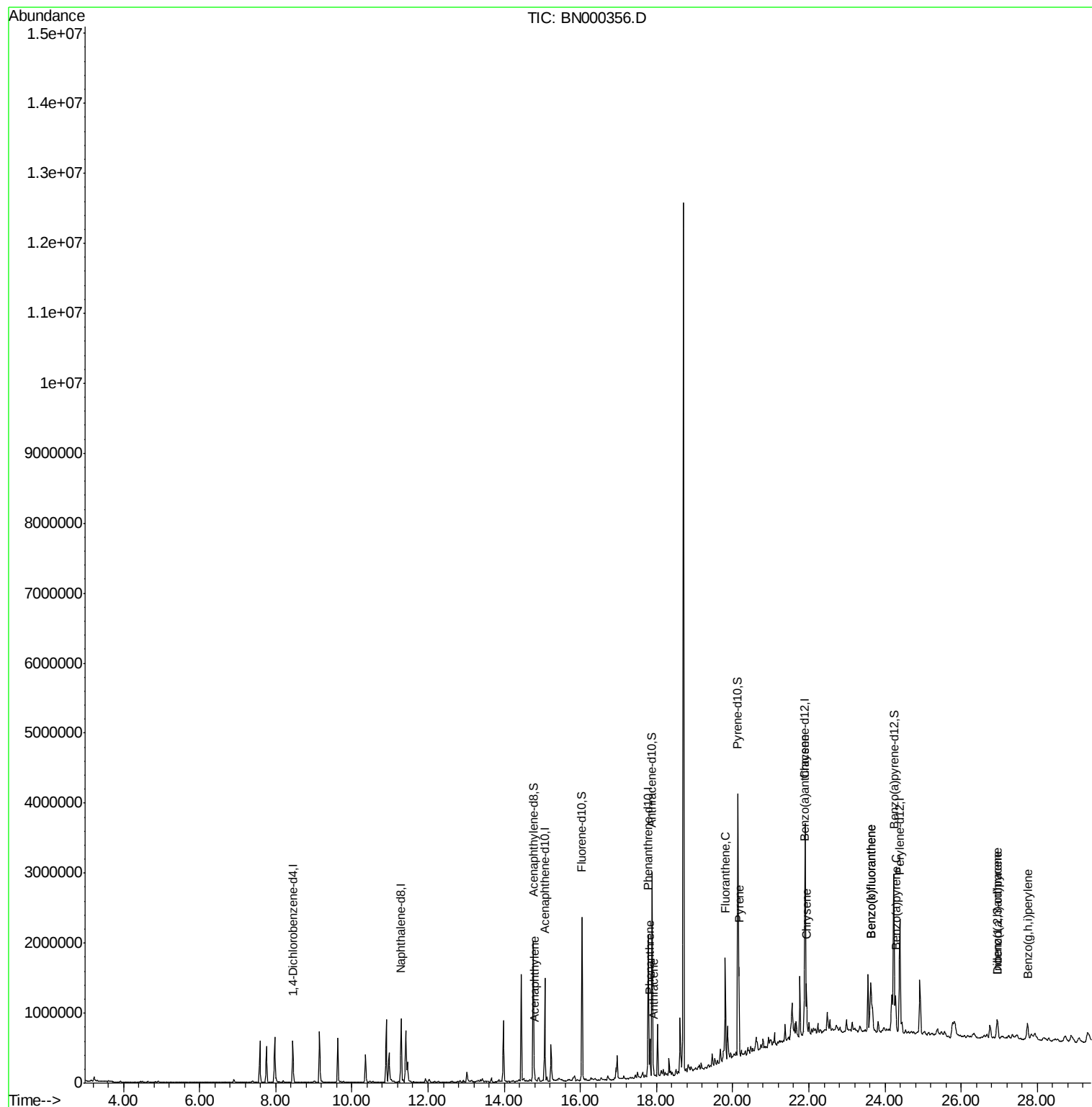
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Acenaphthylene	14.79	152	91797	1.995	ng/ul	98
13) Phenanthrene	17.83	178	274205	4.353	ng/ul	98
15) Anthracene	17.92	178	87003	1.361	ng/ul	98
16) Fluoranthene	19.80	202	779591	11.454	ng/ul#	93
19) Pyrene	20.16	202	669494	8.689	ng/ul#	89
20) Benzo(a)anthracene	21.89	228	391514	5.160	ng/ul	97
21) Chrysene	21.94	228	416380	5.783	ng/ul	97
23) Benzo(b)fluoranthene	23.63	252	730859	10.696	ng/ul#	93
24) Benzo(k)fluoranthene	23.63	252	520529	8.138	ng/ul#	93
26) Benzo(a)pyrene	24.28	252	347212	5.339	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.95	276	260742	3.718	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.94	278	68025	1.184	ng/ul#	72
29) Benzo(a,h,i)perylene	27.74	276	270448	4.619	ng/ul#	89

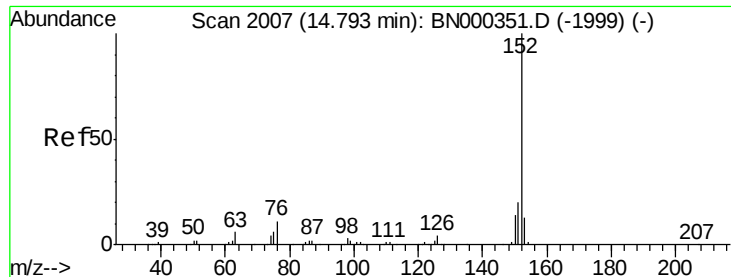
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.995 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

Instrument :

BNA_N

ClientSampleId :

DAMA7

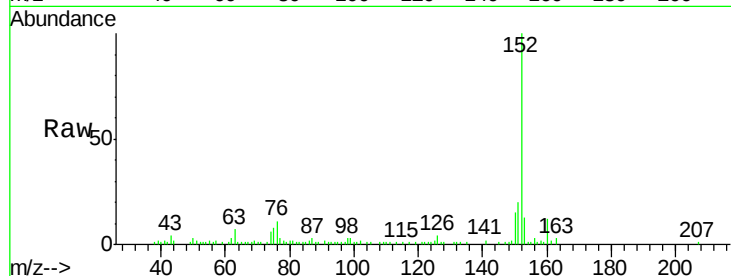
Tot Ion:152 Resp: 91797

Ion Ratio Lower Upper

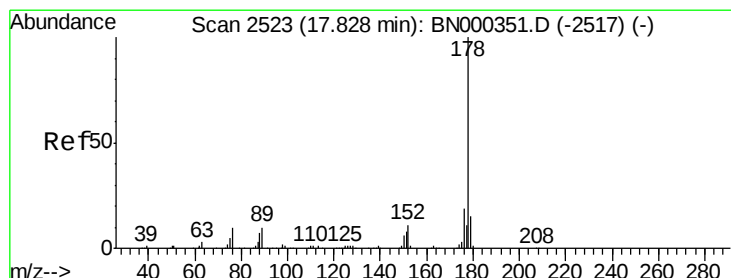
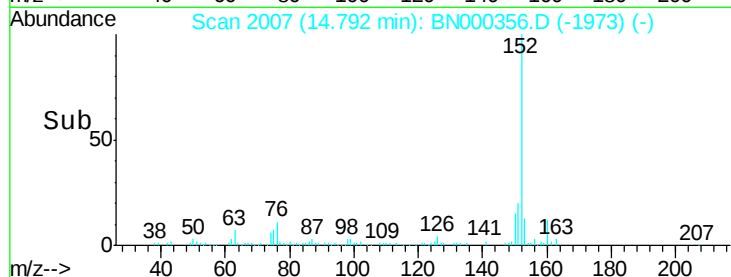
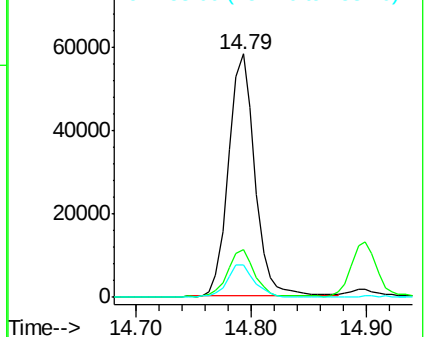
152 100

151 19.5 16.7 25.1

153 13.3 10.2 15.4



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



#13

Phenanthrene

Concen: 4.353 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

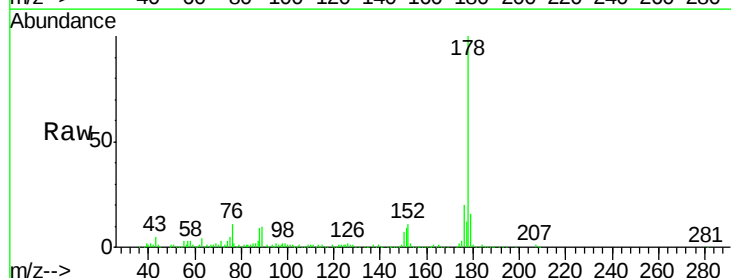
Tgt Ion:178 Resp: 274205

Ion Ratio Lower Upper

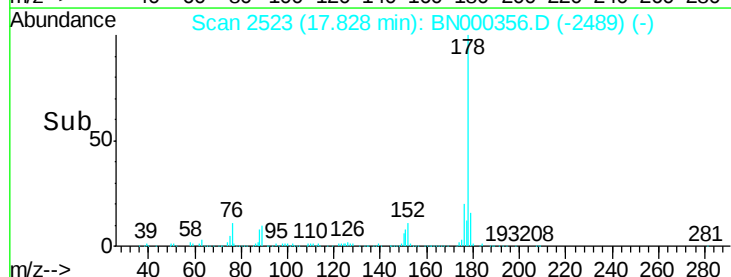
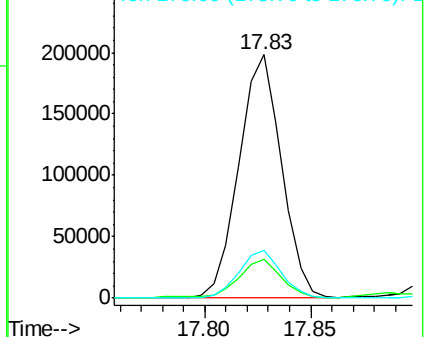
178 100

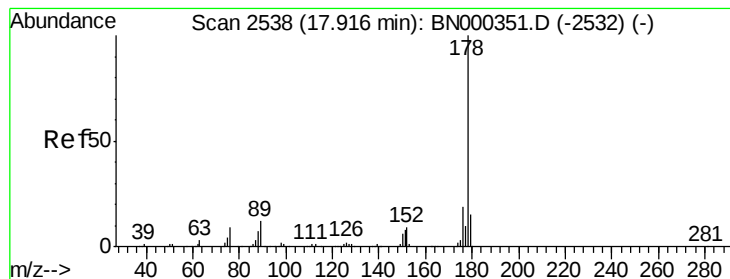
179 15.9 12.3 18.5

176 19.8 15.1 22.7



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

Anthracene

Concen: 1.361 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

Instrument :

BNA_N

ClientSampleId :

DAMA7

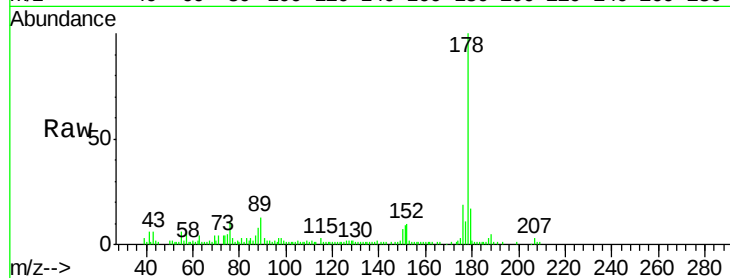
Tot Ion:178 Resp: 87003

Ion Ratio Lower Upper

178 100

179 16.5 11.8 17.8

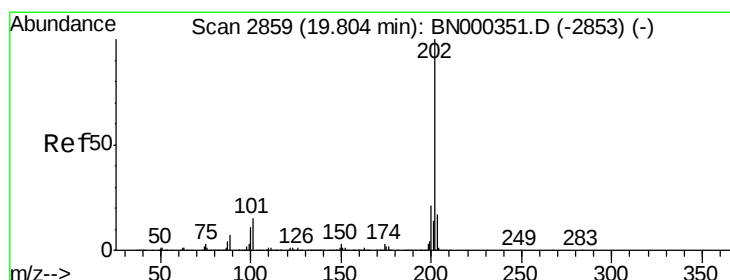
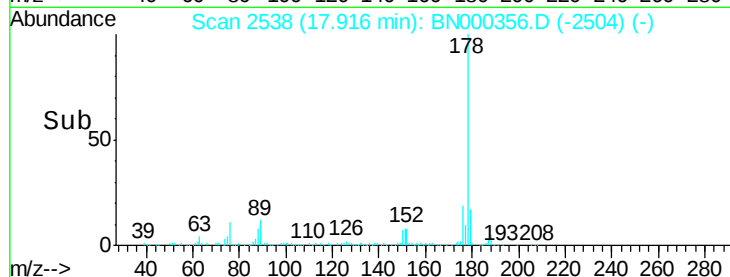
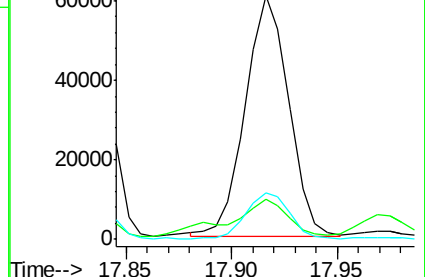
176 19.2 15.2 22.8



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



#16

Fluoranthene

Concen: 11.454 ng/ul

RT: 19.80 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

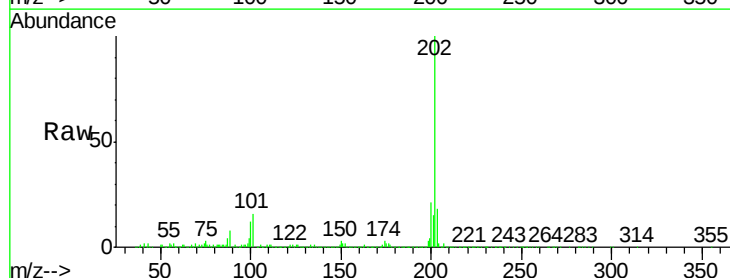
Tgt Ion:202 Resp: 779591

Ion Ratio Lower Upper

202 100

101 15.5 9.9 14.9#

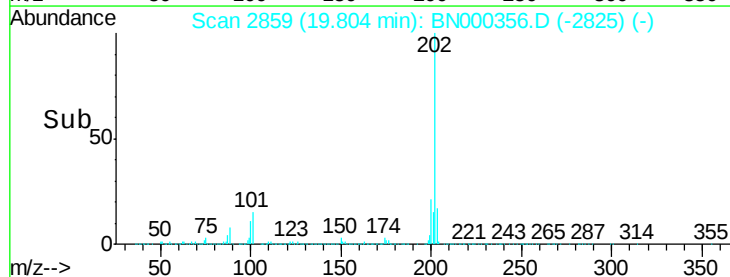
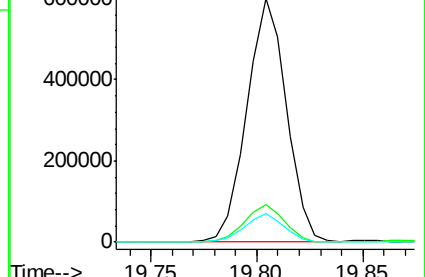
100 11.6 7.4 11.0#

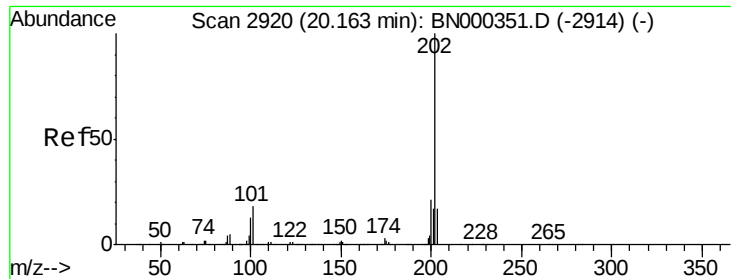


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 8.689 ng/ul

RT: 20.16 min Scan# 2920

Delta R.T. -0.00 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

Instrument :

BNA_N

ClientSampleId :

DAMA7

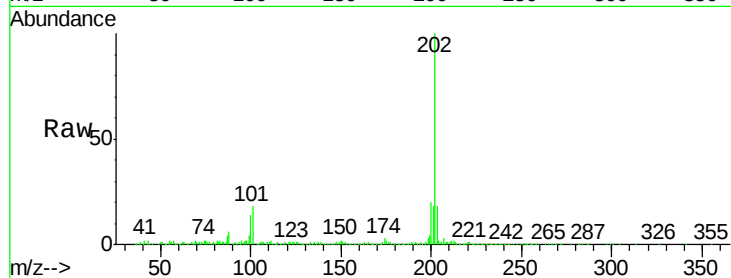
Tot Ion:202 Resp: 669494

Ion Ratio Lower Upper

202 100

101 18.0 11.0 16.4#

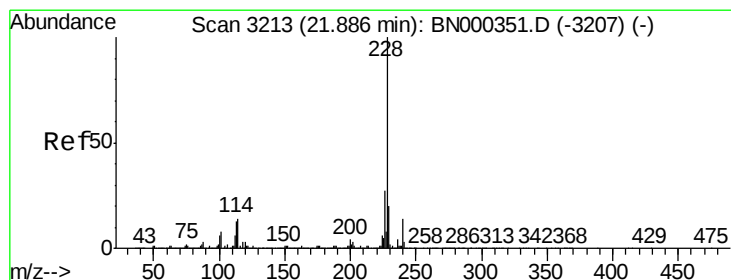
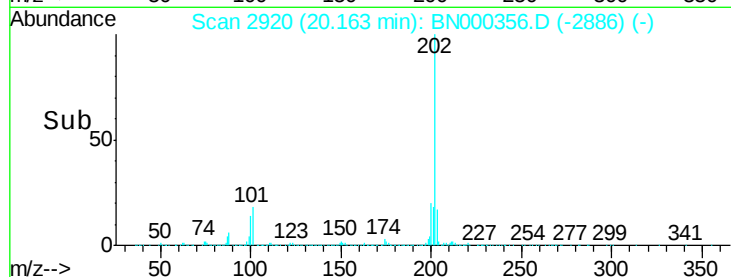
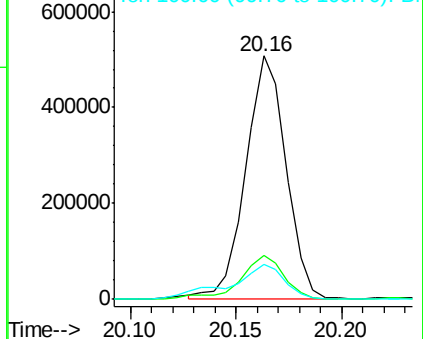
100 14.3 8.1 12.1#



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



#20

Benzo(a)anthracene

Concen: 5.160 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

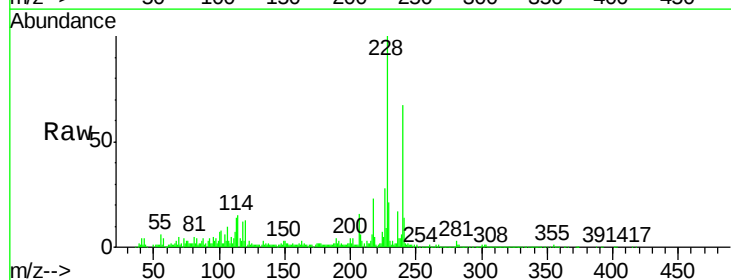
Tgt Ion:228 Resp: 391514

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

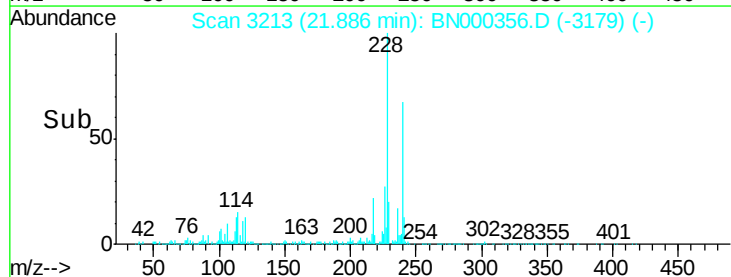
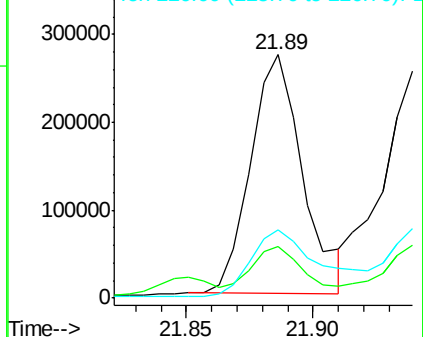
226 28.0 21.1 31.7

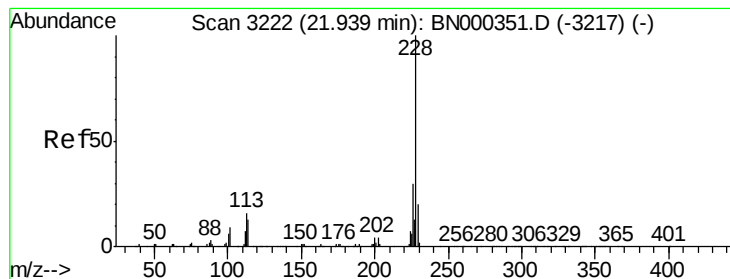


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 5.783 ng/ul

RT: 21.94 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

Instrument :

BNA_N

ClientSampled :

DAMA7

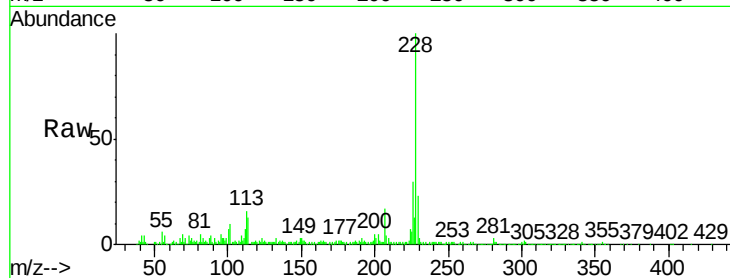
Tot Ion:228 Resp: 416380

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

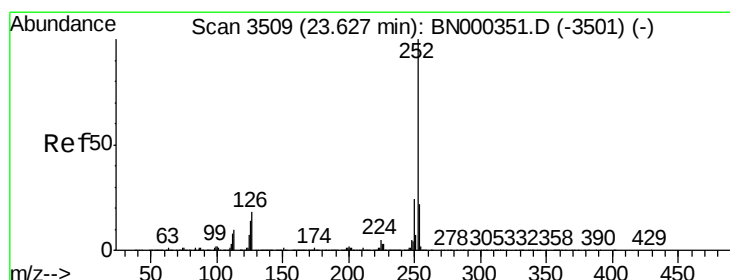
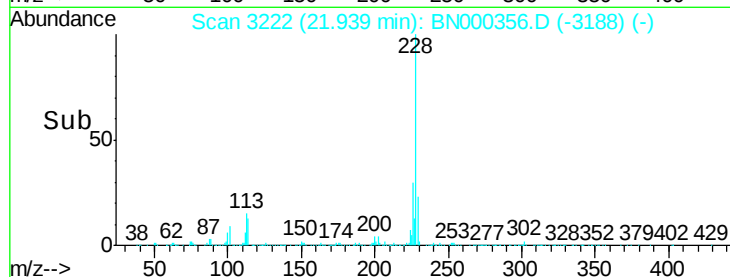
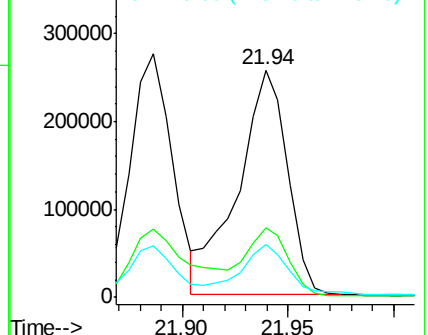
229 23.2 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 10.696 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. 0.01 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

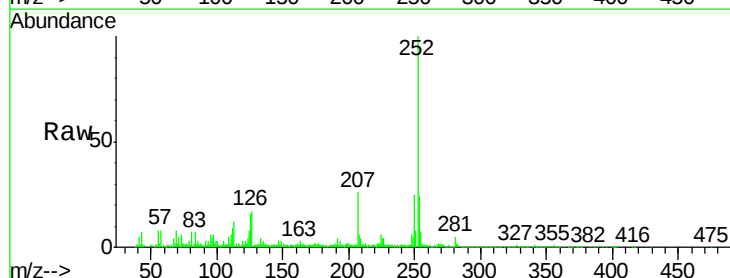
Tgt Ion:252 Resp: 730859

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

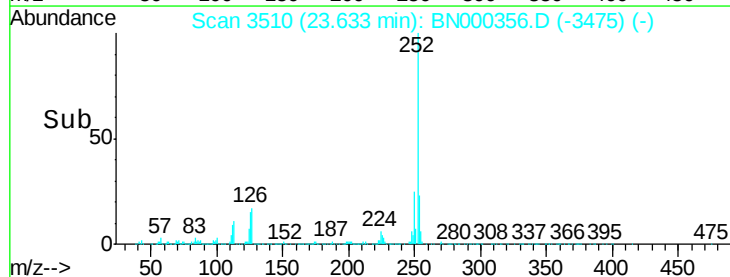
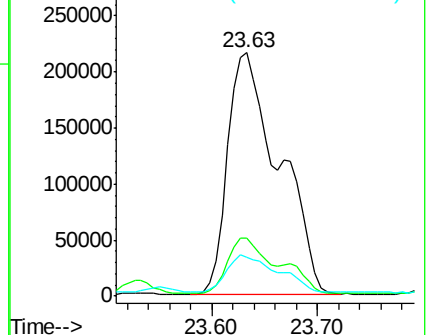
125 16.0 8.0 12.0#

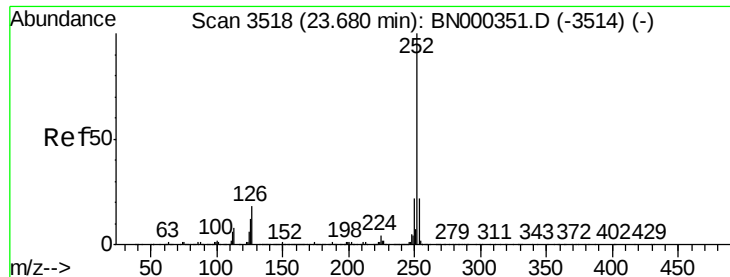


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

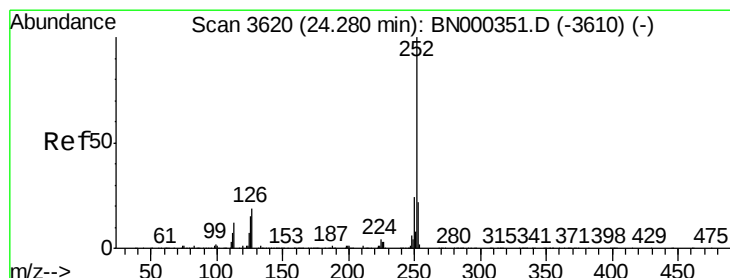
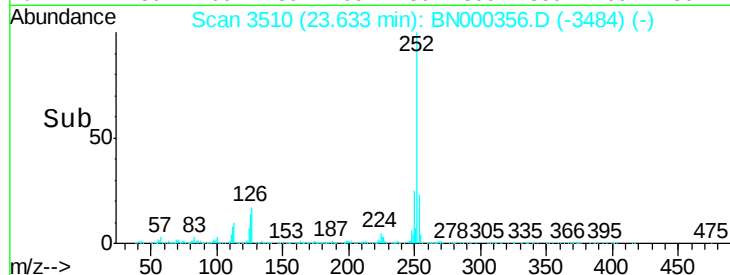
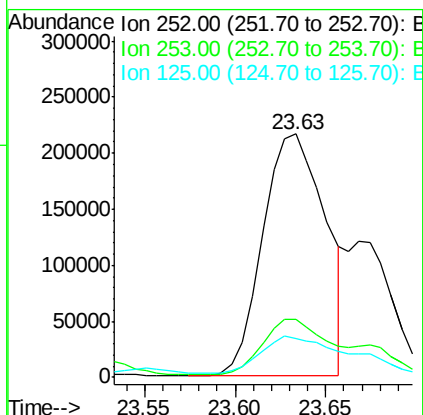
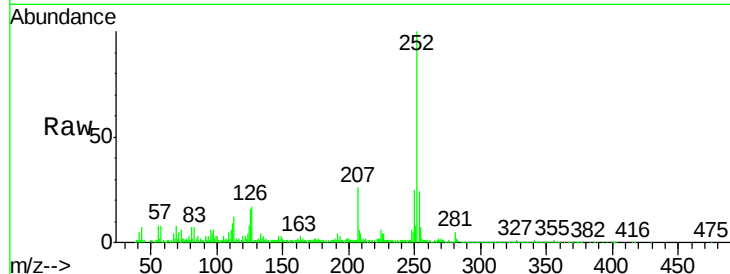




#24
Benzo(k)fluoranthene
Concen: 8.138 ng/ul
RT: 23.63 min Scan# 3510
Delta R.T. -0.05 min
Lab File: BN000356.D
Acq: 13 Mar 2018 19:18

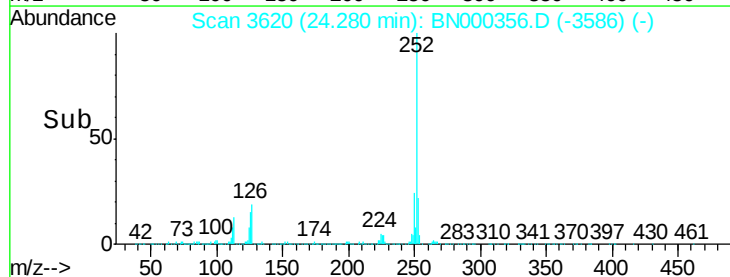
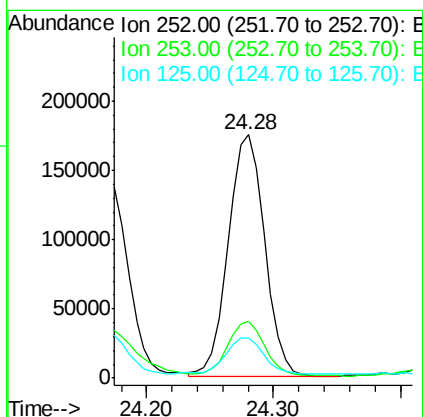
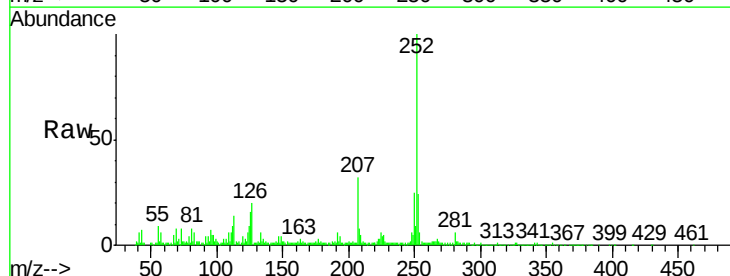
Instrument :
BNA_N
ClientSampled :
DAMA7

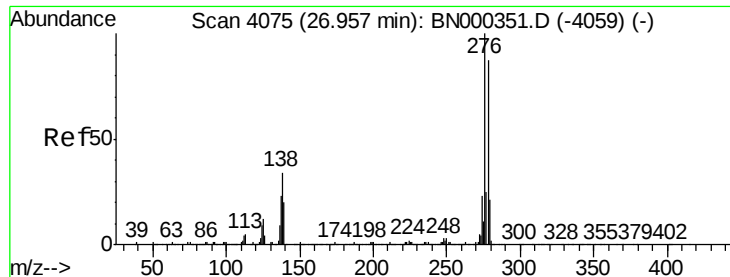
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	16.0	8.1	12.1#



#26
Benzo(a)pyrene
Concen: 5.339 ng/ul
RT: 24.28 min Scan# 3620
Delta R.T. -0.00 min
Lab File: BN000356.D
Acq: 13 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	16.3	8.2	12.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.718 ng/ul

RT: 26.95 min Scan# 4074

Delta R.T. -0.01 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

Instrument :

BNA_N

ClientSampleId :

DAMA7

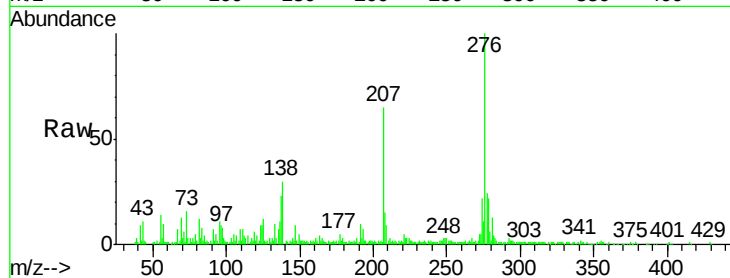
Tot Ion:276 Resp: 260742

Ion Ratio Lower Upper

276 100

138 30.2 14.4 21.6#

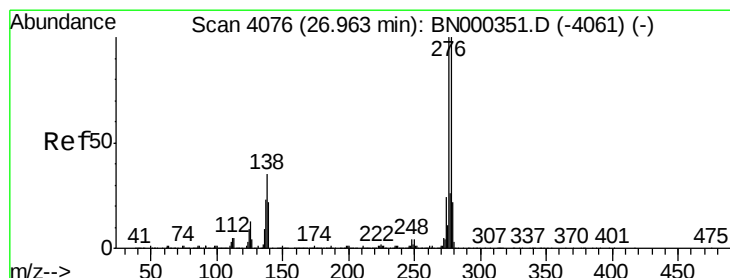
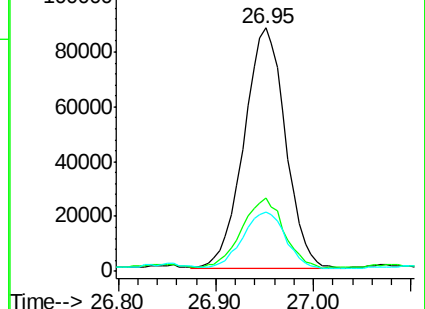
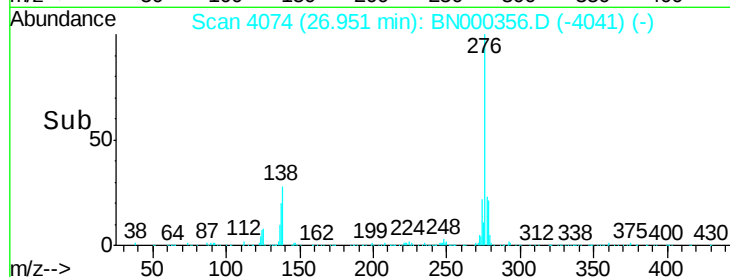
277 24.4 18.0 27.0



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



#28

Dibenzo(a,h)anthracene

Concen: 1.184 ng/ul

RT: 26.94 min Scan# 4073

Delta R.T. -0.02 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

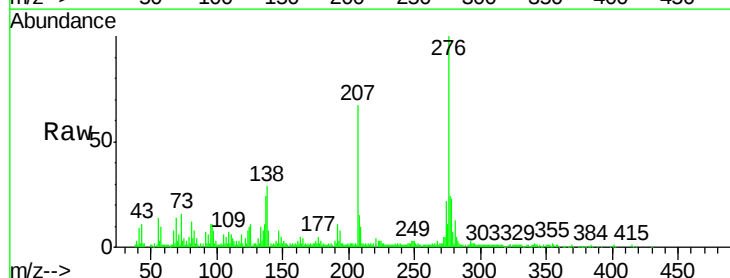
Tgt Ion:278 Resp: 68025

Ion Ratio Lower Upper

278 100

139 34.4 12.2 18.4#

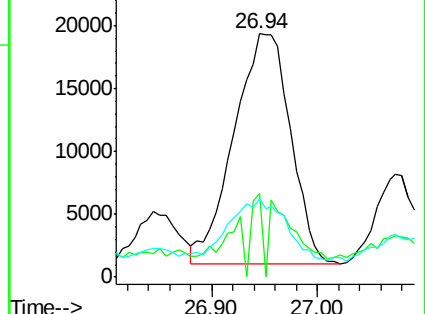
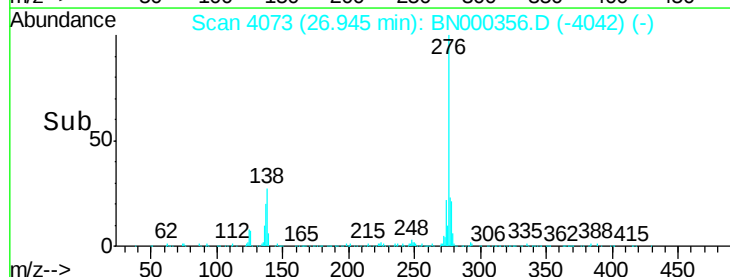
279 32.0 19.2 28.8#

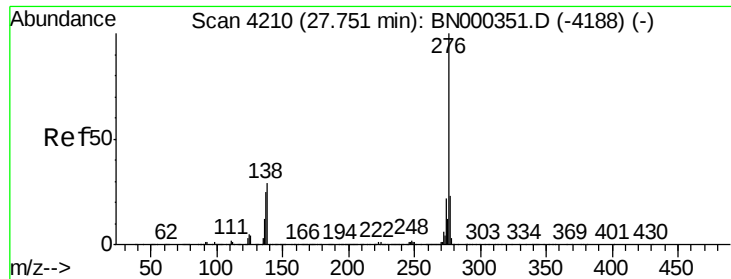


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(a,h,i)perylene

Concen: 4.619 ng/ul

RT: 27.74 min Scan# 4208

Delta R.T. -0.01 min

Lab File: BN000356.D

Acq: 13 Mar 2018 19:18

Instrument :

BNA_N

ClientSampleId :

DAMA7

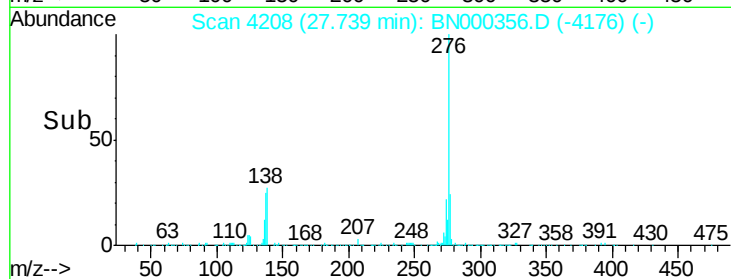
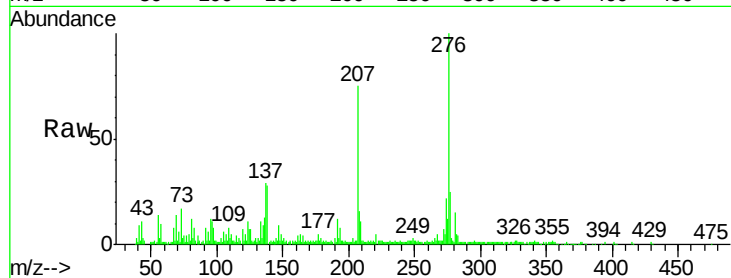
Tot Ion: 276 Resp: 270448

Ion Ratio Lower Upper

276 100

138 28.4 15.3 22.9#

277 25.2 19.0 28.4



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

