

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
 Data File : BM020298.D
 Acq On : 12 May 2019 14:55
 Operator : JU/SJ
 Sample : K2767-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS010-1824-01

Quant Time: May 13 05:22:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	55600	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	185815	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	111606	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	259486	20.00	ng	-0.02
76) Chrysene-d12	21.35	240	291441	20.00	ng	-0.02
87) Perylene-d12	23.63	264	374313	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	368575	108.36	ng	-0.02
7) Phenol-d6	6.93	99	496030	106.74	ng	-0.02
23) Nitrobenzene-d5	8.93	82	330029	70.12	ng	-0.03
42) 2,4,6-Tribromophenol	15.90	330	170784	98.59	ng	-0.02
45) 2-Fluorobiphenyl	13.03	172	496704	54.76	ng	-0.03
79) Terphenyl-d14	19.79	244	750765	44.93	ng	-0.02

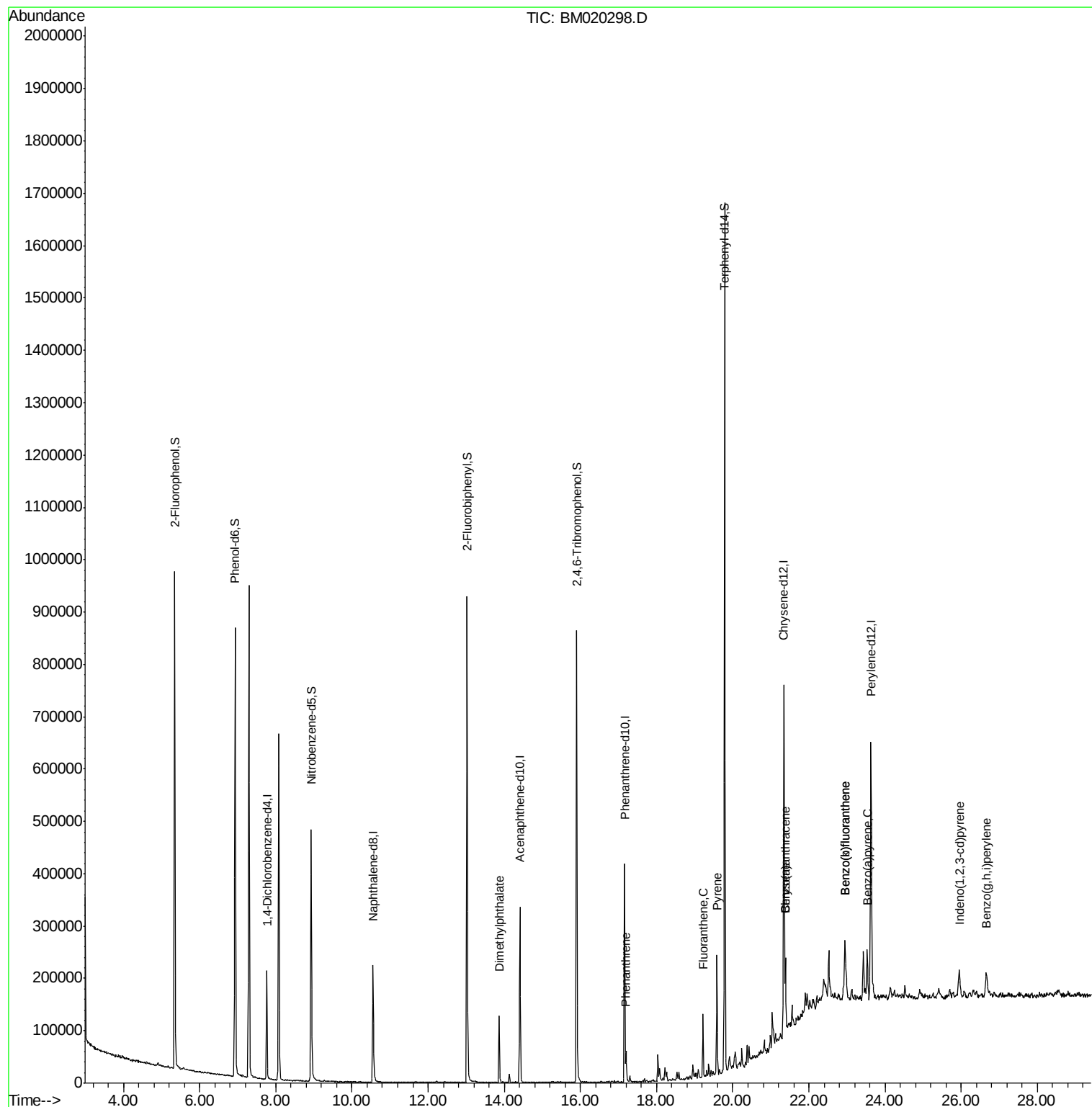
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.87	163	82507	8.698	ng	99
71) Phenanthrene	17.20	178	33250	2.321	ng	98
75) Fluoranthene	19.22	202	74572	4.115	ng	98
78) Pyrene	19.59	202	140614	7.186	ng	98
81) Benzo(a)anthracene	21.39	228	75662	3.702	ng	96
83) Chrysene	21.39	228	79856	4.029	ng	99
86) Indeno(1,2,3-cd)pyrene	25.95	276	54387	2.307	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	120440	4.873	ng	# 96
89) Benzo(k)fluoranthene	22.94	252	118513	5.256	ng	# 97
90) Benzo(a)pyrene	23.53	252	62378	2.778	ng	97
92) Benzo(g,h,i)perylene	26.67	276	66152	2.984	ng	94

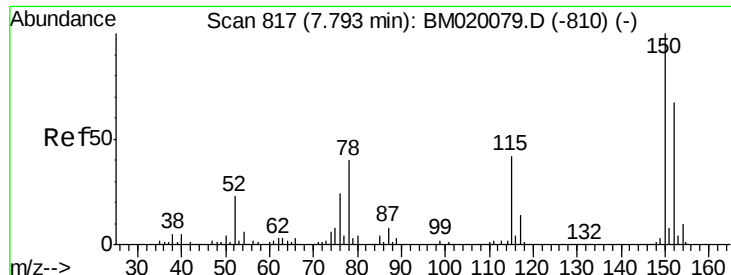
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
Data File : BM020298.D
Acq On : 12 May 2019 14:55
Operator : JU/SJ
Sample : K2767-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P026-SS010-1824-01

Quant Time: May 13 05:22:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration



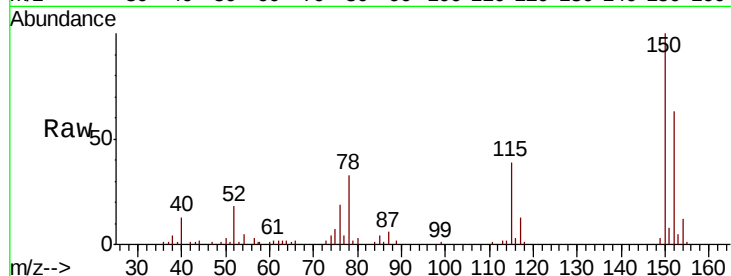


#1

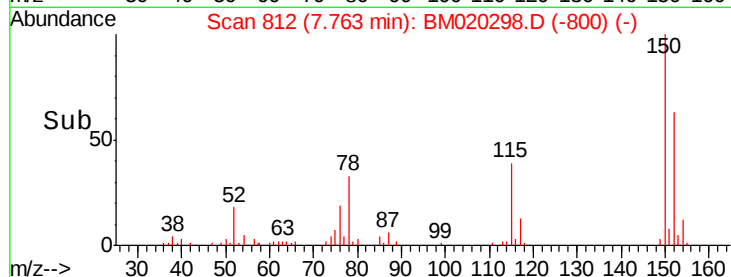
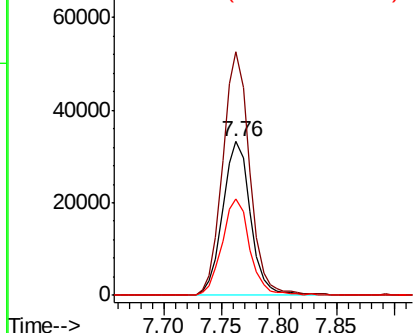
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.76 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BM020298.D
 Acq: 12 May 2019 14:55

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS010-1824-01

Tgt Ion:152 Resp: 55600
 Ion Ratio Lower Upper
 152 100
 150 158.5 119.8 179.8
 115 62.5 50.8 76.2



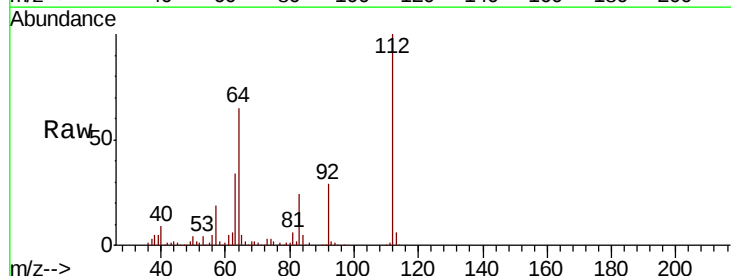
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



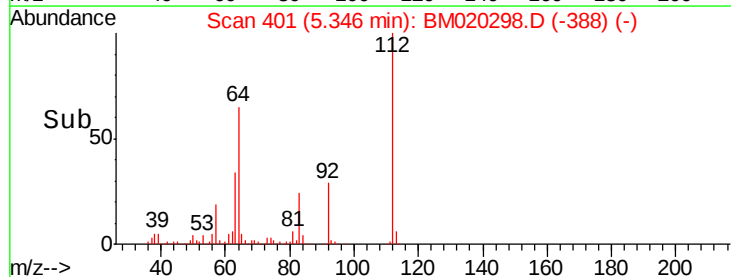
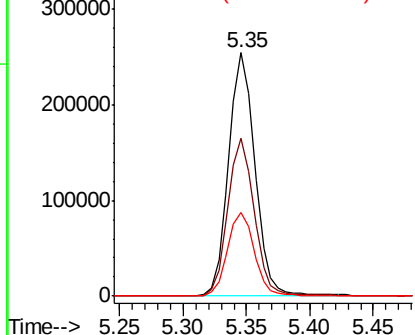
#5

2-Fluorophenol
 Concen: 108.358 ng
 RT: 5.35 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: BM020298.D
 Acq: 12 May 2019 14:55

Tgt Ion:112 Resp: 368575
 Ion Ratio Lower Upper
 112 100
 64 64.6 53.8 80.6
 63 34.2 32.3 48.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BM0
 Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 106.745 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

Instrument :

BNA_M

ClientSampleId :

P026-SS010-1824-01

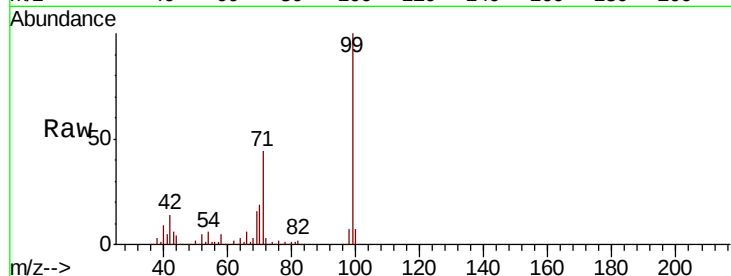
Tgt Ion: 99 Resp: 496030

Ion Ratio Lower Upper

99 100

42 13.9 14.2 21.2#

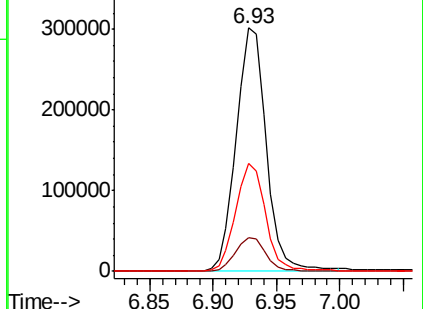
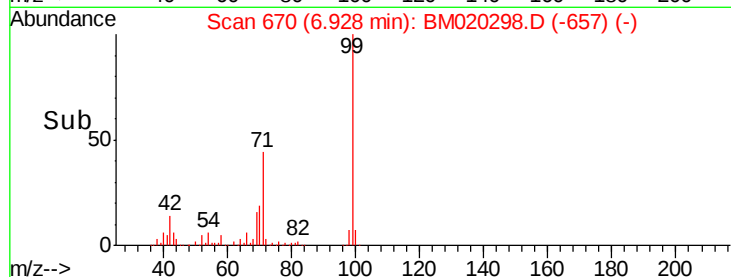
71 44.4 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

Tgt Ion: 136 Resp: 185815

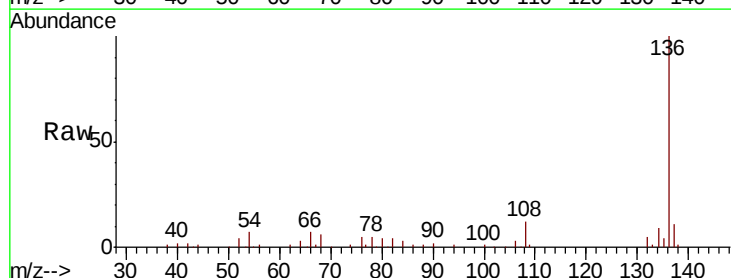
Ion Ratio Lower Upper

136 100

137 11.3 9.6 14.4

54 6.6 5.5 8.3

68 6.3 4.6 6.8

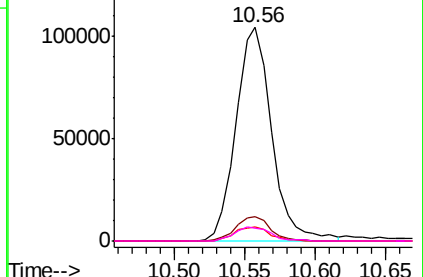
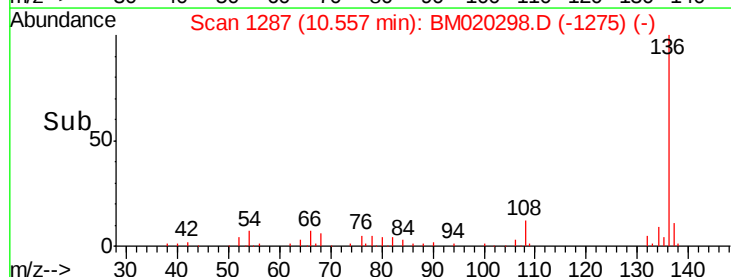


Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

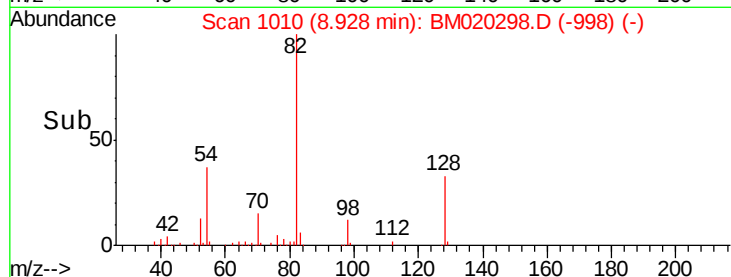
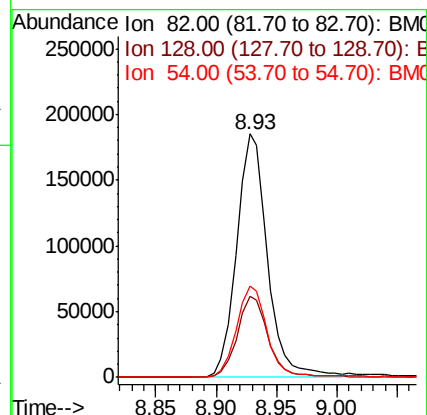
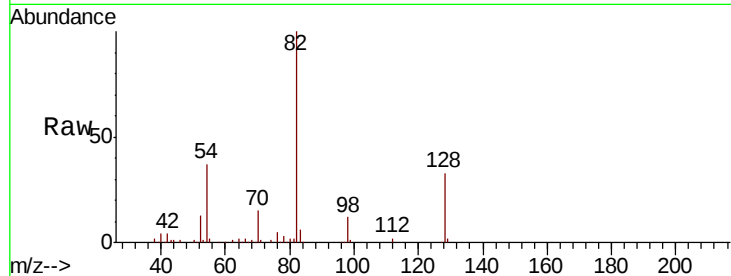




#23
 Nitrobenzene-d5
 Concen: 70.121 ng
 RT: 8.93 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: BM020298.D
 Acq: 12 May 2019 14:55

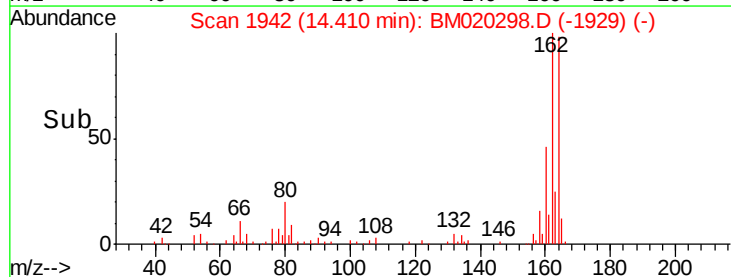
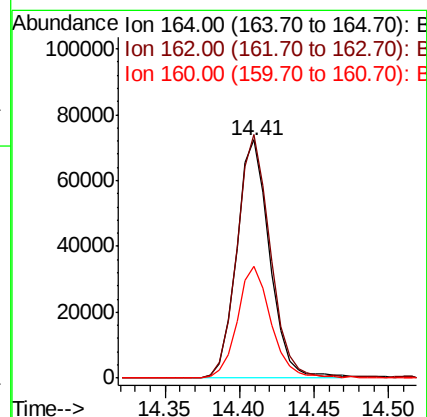
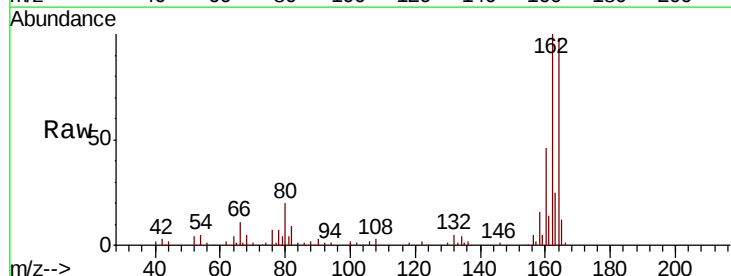
Instrument :
 BNA_M
 ClientSampleId :
 P026-SS010-1824-01

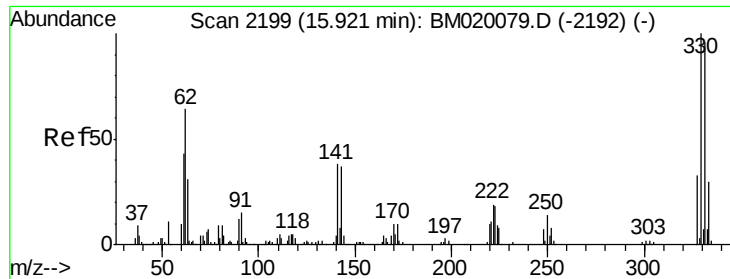
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.4	25.2	37.8
54	37.4	31.9	47.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.41 min Scan# 1942
 Delta R.T. -0.02 min
 Lab File: BM020298.D
 Acq: 12 May 2019 14:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	47.0	37.6	56.4

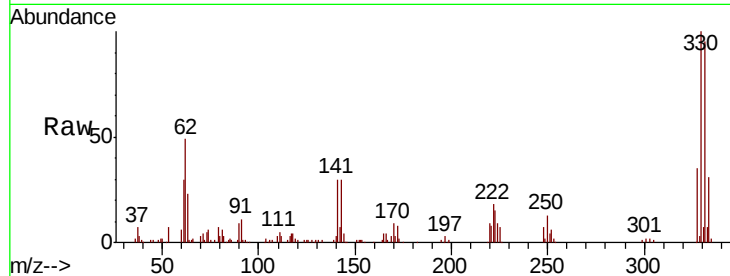




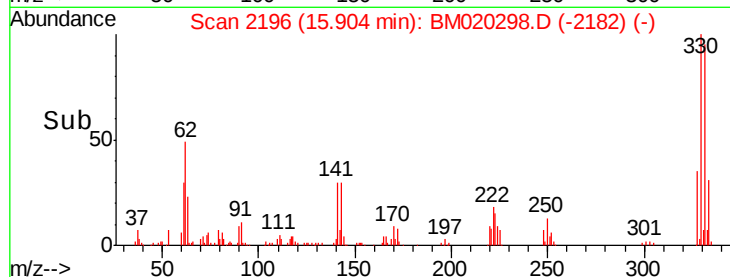
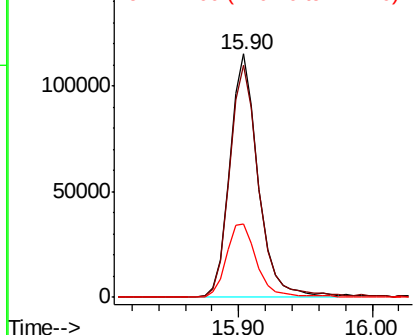
#42
 2,4,6-Tribromophenol
 Concen: 98.586 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020298.D
 Acq: 12 May 2019 14:55

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS010-1824-01

Tgt Ion: 330 Resp: 170784
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.8 115.2
 141 32.6 29.2 43.8

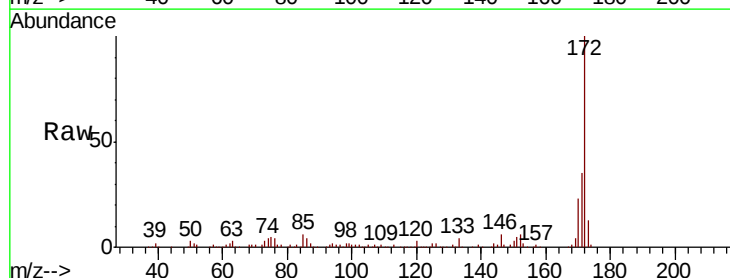


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

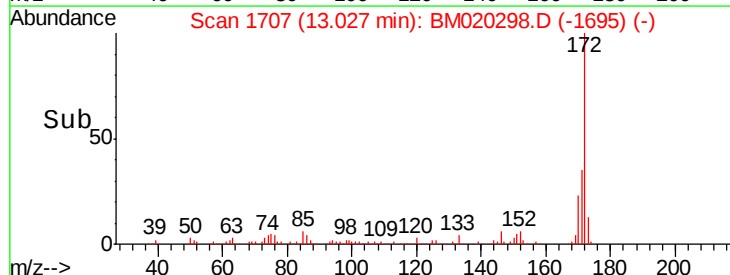
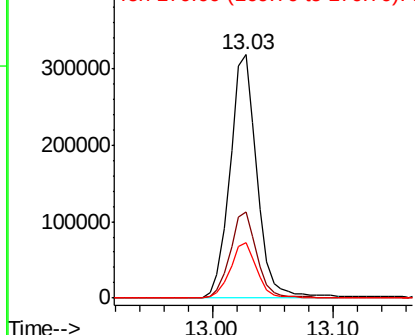


#45
 2-Fluorobiphenyl
 Concen: 54.758 ng
 RT: 13.03 min Scan# 1707
 Delta R.T. -0.03 min
 Lab File: BM020298.D
 Acq: 12 May 2019 14:55

Tgt Ion: 172 Resp: 496704
 Ion Ratio Lower Upper
 172 100
 171 35.3 27.3 40.9
 170 22.7 17.9 26.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.698 ng

RT: 13.87 min Scan# 1850

Delta R.T. -0.03 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

Instrument :

BNA_M

ClientSampleId :

P026-SS010-1824-01

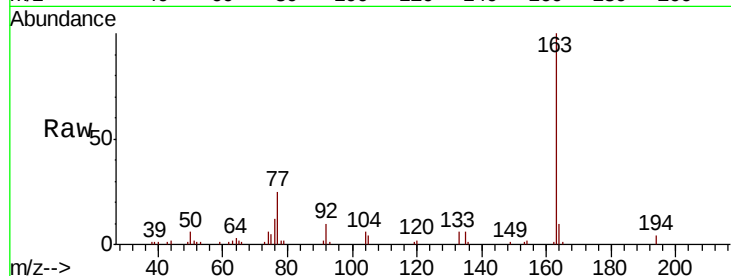
Tgt Ion:163 Resp: 82507

Ion Ratio Lower Upper

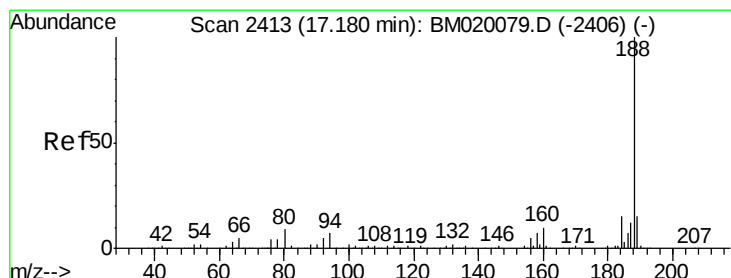
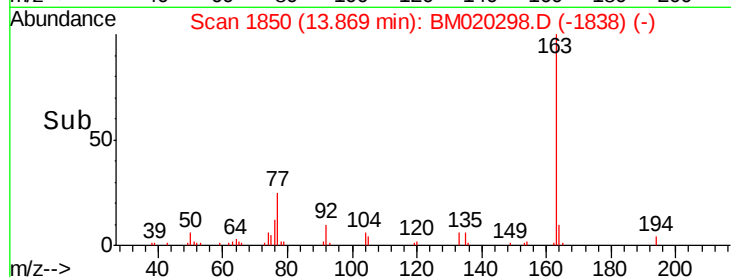
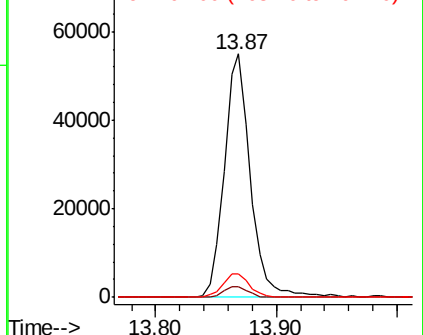
163 100

194 4.2 3.6 5.4

164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.16 min Scan# 2410

Delta R.T. -0.02 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

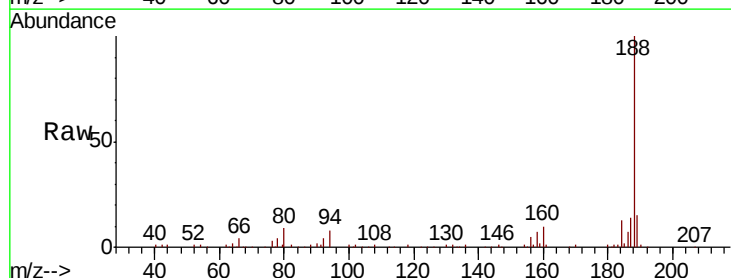
Tgt Ion:188 Resp: 259486

Ion Ratio Lower Upper

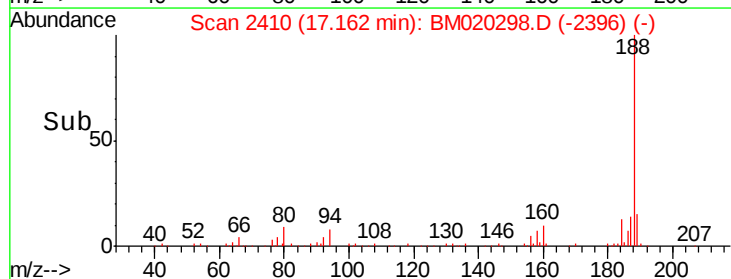
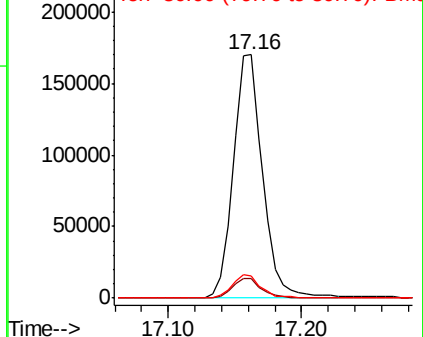
188 100

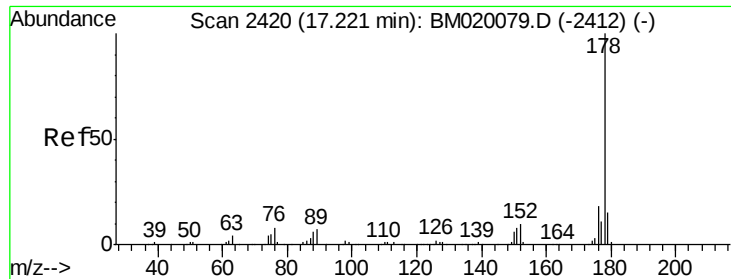
94 8.0 5.8 8.6

80 9.3 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 2.321 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.02 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

Instrument :

BNA_M

ClientSampleId :

P026-SS010-1824-01

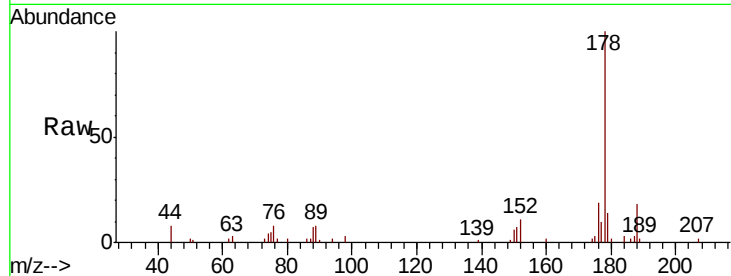
Tgt Ion:178 Resp: 33250

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

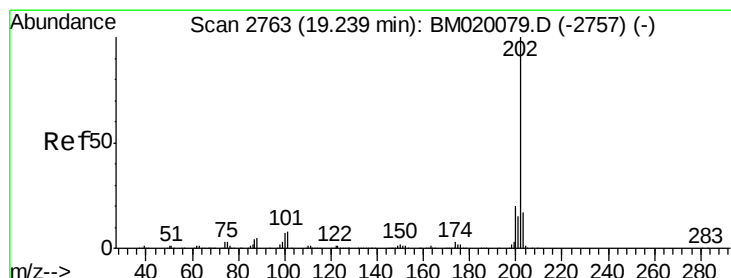
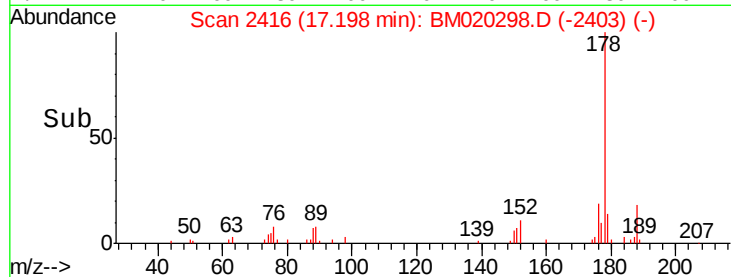
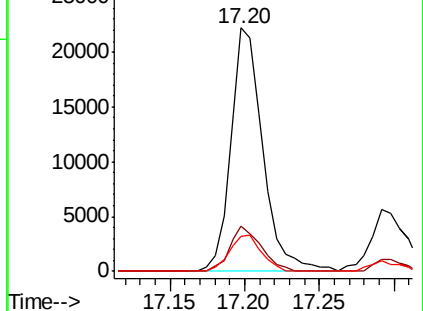
179 14.4 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.115 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.02 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

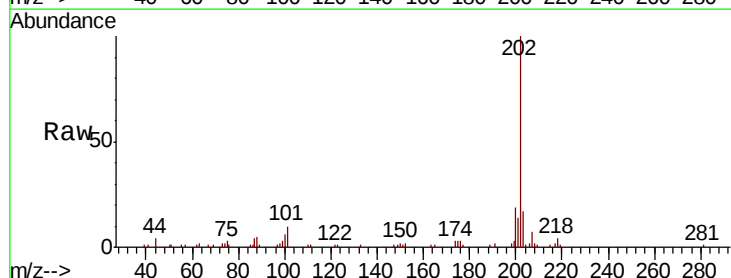
Tgt Ion:202 Resp: 74572

Ion Ratio Lower Upper

202 100

101 9.6 0.0 28.4

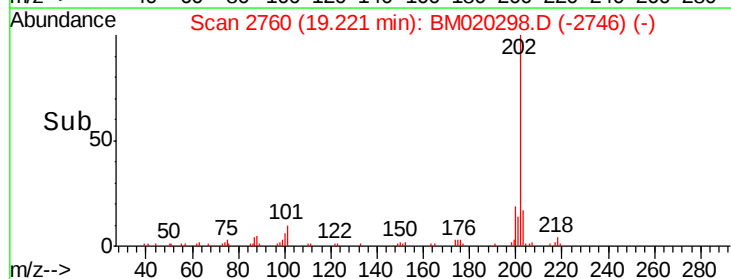
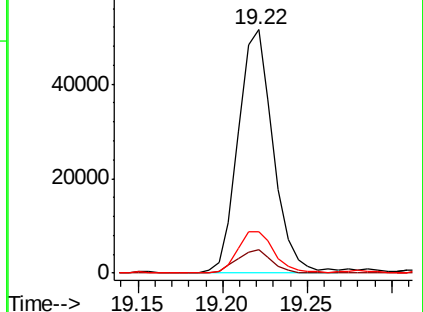
203 17.0 0.0 37.4

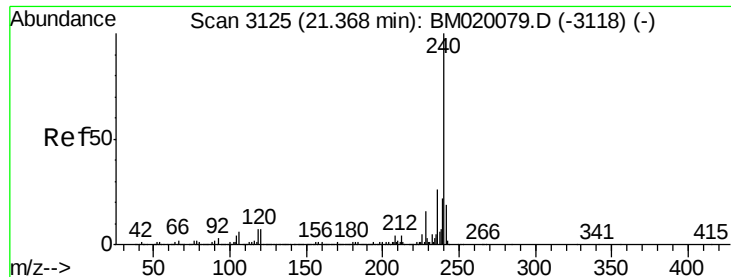


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

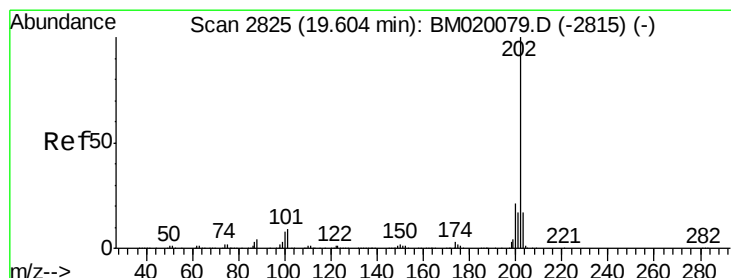
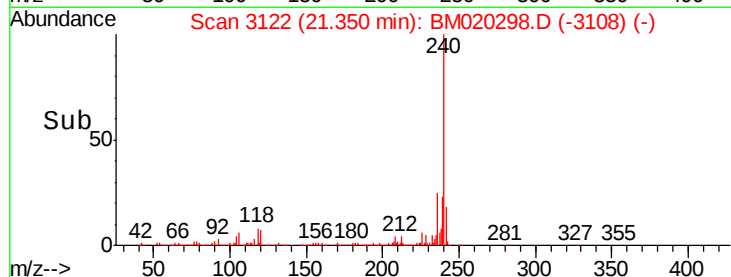
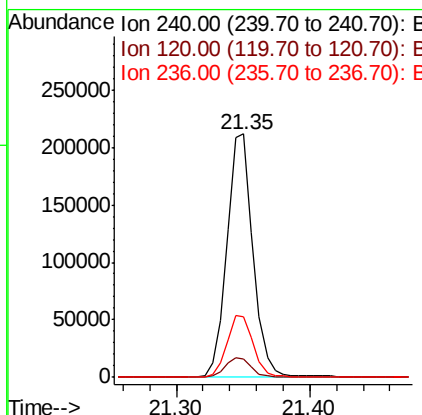
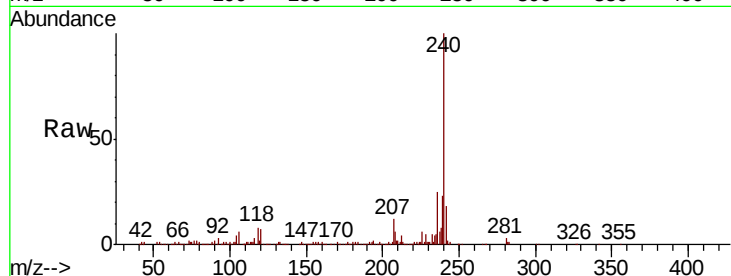




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BM020298.D
Acq: 12 May 2019 14:55

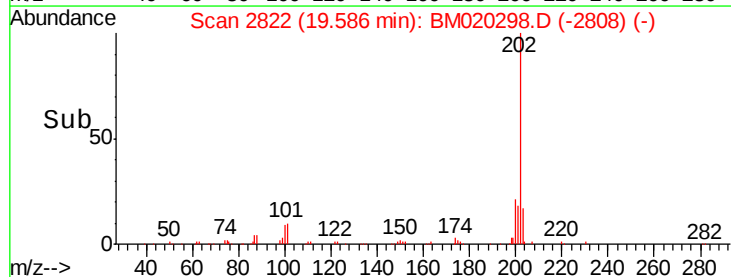
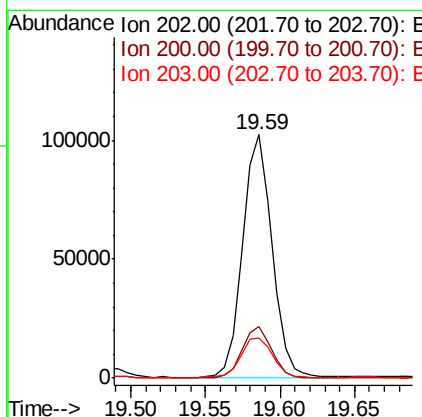
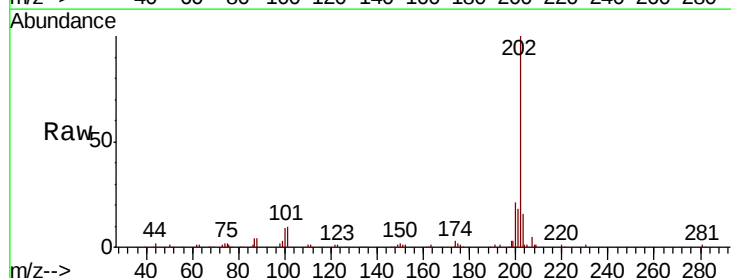
Instrument :
BNA_M
ClientSampleId :
P026-SS010-1824-01

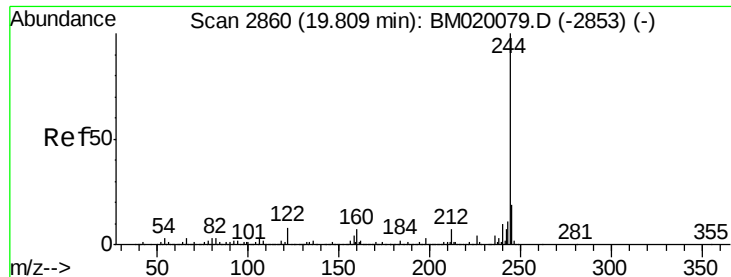
Tgt Ion:240 Resp: 291441
Ion Ratio Lower Upper
240 100
120 7.4 5.6 8.4
236 25.1 20.9 31.3



#78
Pyrene
Concen: 7.186 ng
RT: 19.59 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BM020298.D
Acq: 12 May 2019 14:55

Tgt Ion:202 Resp: 140614
Ion Ratio Lower Upper
202 100
200 21.2 16.5 24.7
203 16.5 13.9 20.9





#79

Terphenyl-d14

Concen: 44.932 ng

RT: 19.79 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

Instrument :

BNA_M

ClientSampleId :

P026-SS010-1824-01

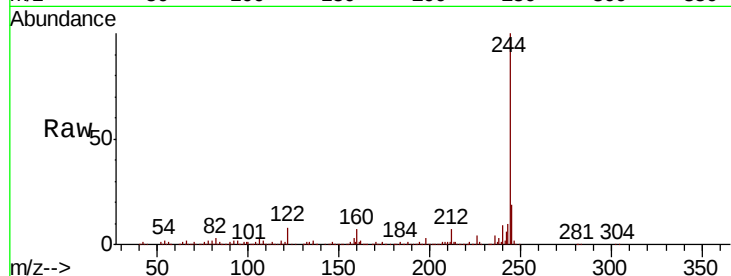
Tgt Ion:244 Resp: 750765

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

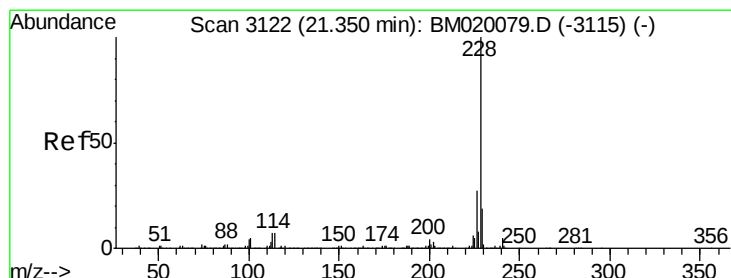
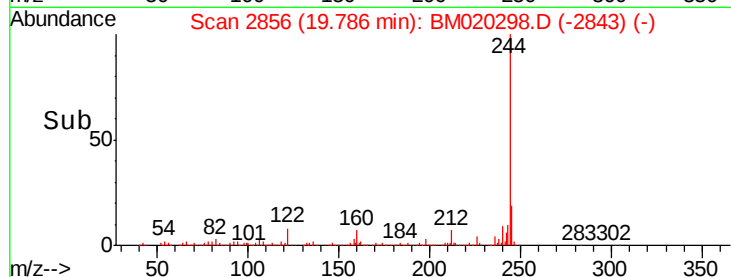
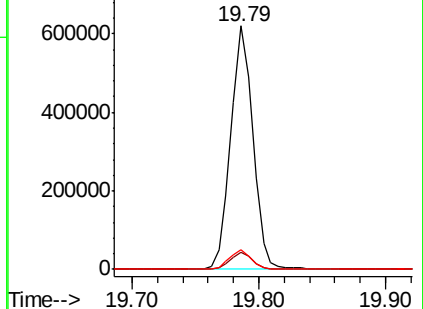
122 8.1 6.2 9.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.702 ng

RT: 21.39 min Scan# 3128

Delta R.T. 0.04 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

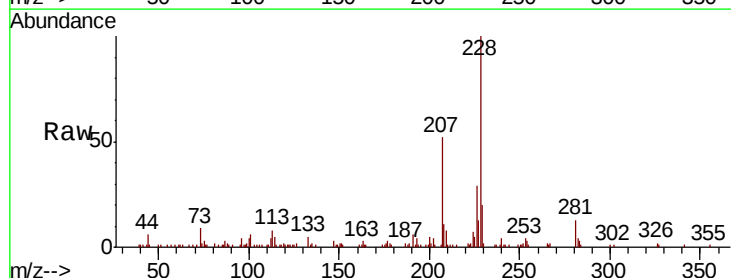
Tgt Ion:228 Resp: 75662

Ion Ratio Lower Upper

228 100

226 29.3 21.3 31.9

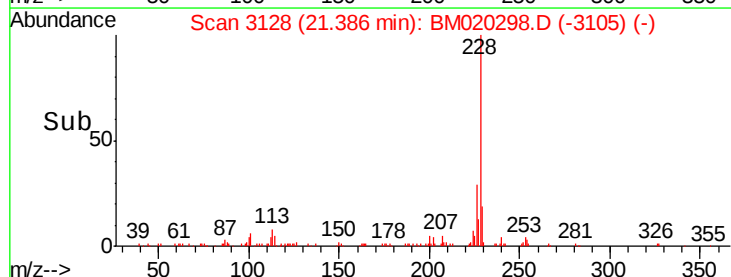
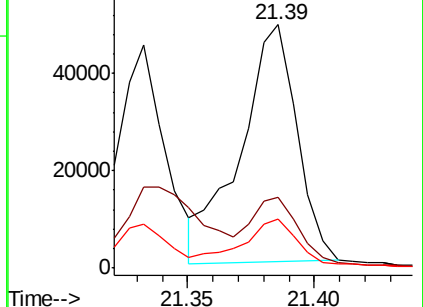
229 19.9 15.5 23.3

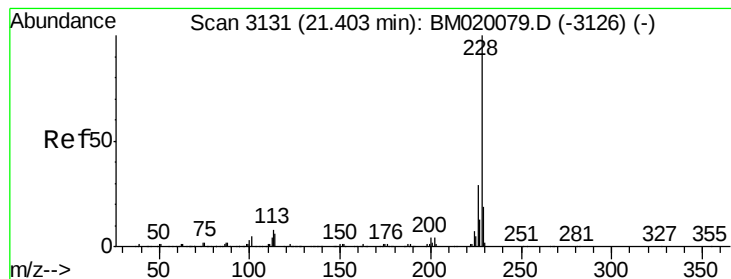


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.029 ng

RT: 21.39 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

Instrument :

BNA_M

ClientSampleId :

P026-SS010-1824-01

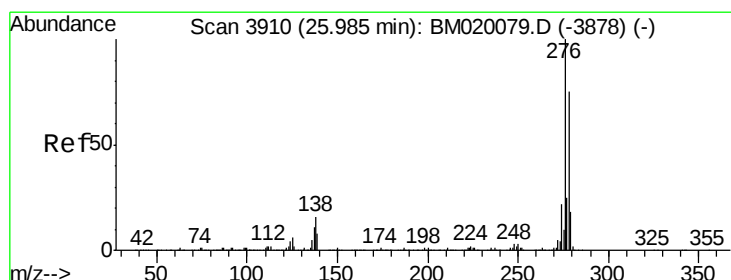
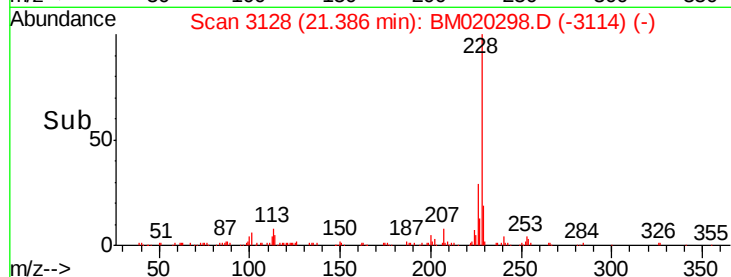
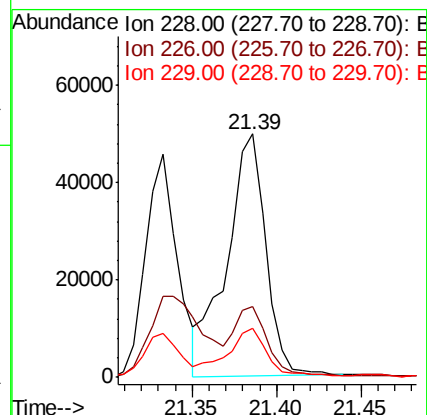
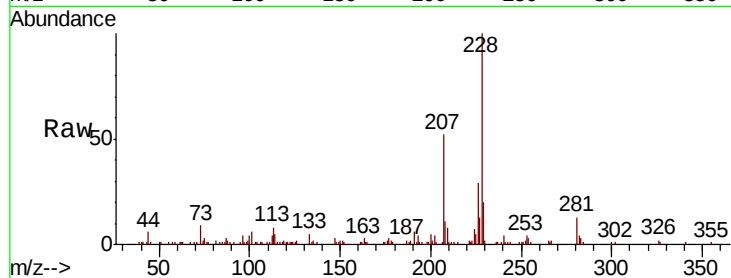
Tgt Ion: 228 Resp: 79856

Ion Ratio Lower Upper

228 100

226 29.3 23.0 34.6

229 19.9 15.5 23.3



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.307 ng

RT: 25.95 min Scan# 3904

Delta R.T. -0.04 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

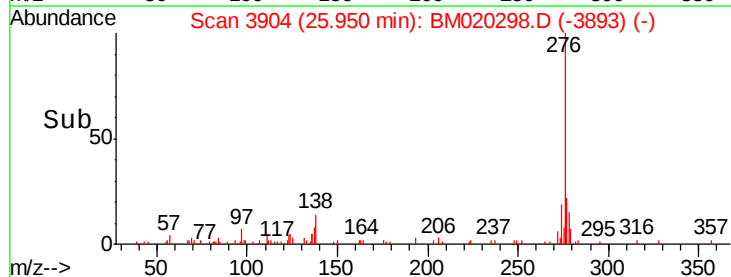
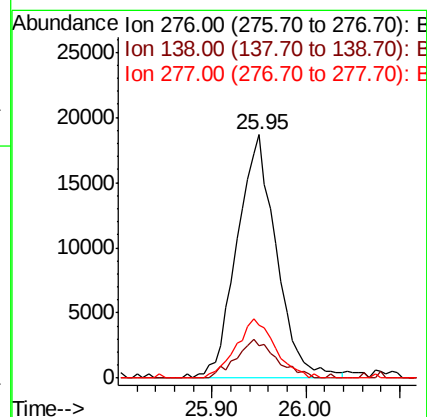
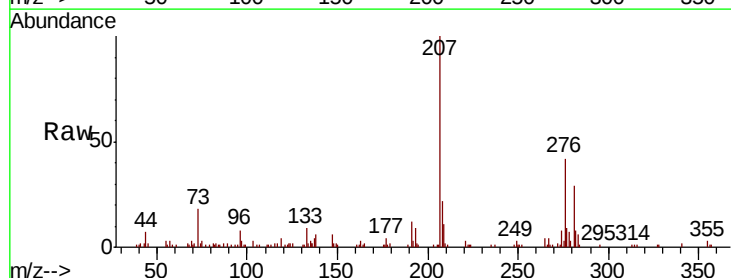
Tgt Ion: 276 Resp: 54387

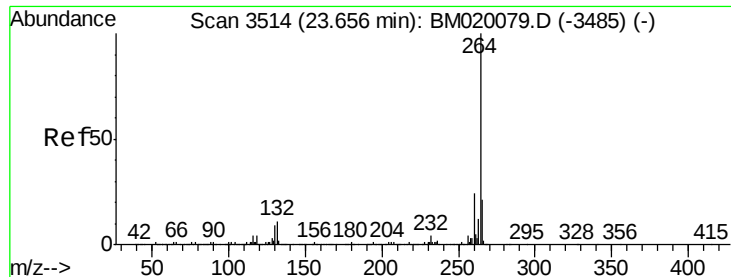
Ion Ratio Lower Upper

276 100

138 16.2 0.0 0.0#

277 23.9 0.0 0.0#



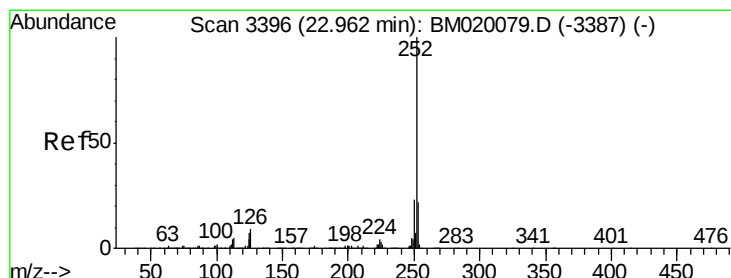
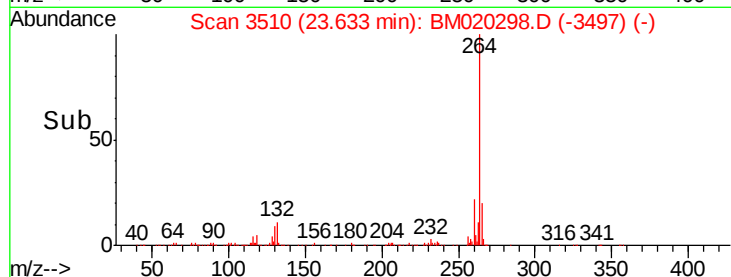
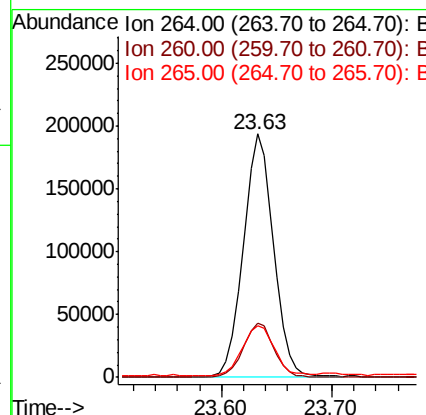
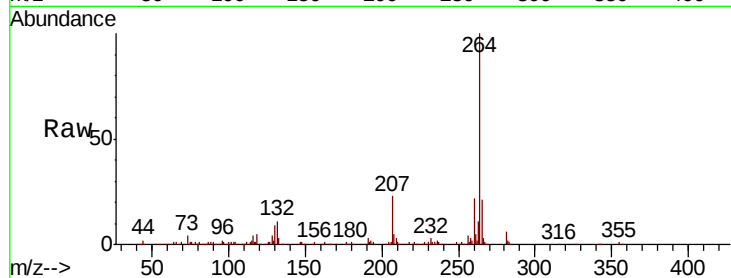


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BM020298.D
Acq: 12 May 2019 14:55

Instrument :
BNA_M
ClientSampleId :
P026-SS010-1824-01

Tgt Ion: 264 Resp: 374313

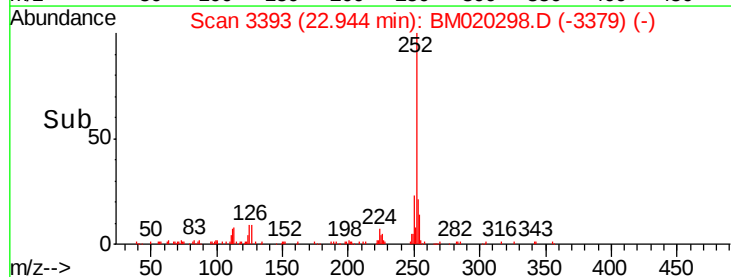
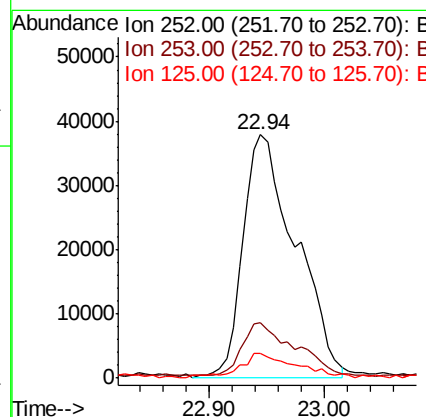
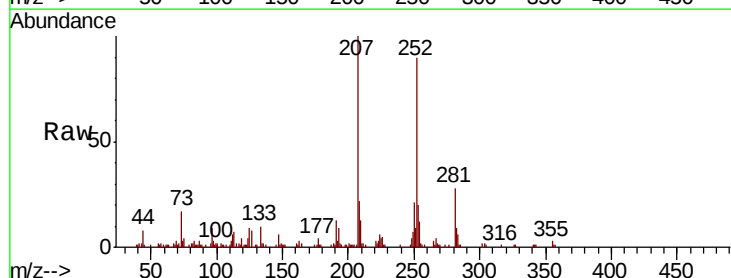
Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	21.0	16.9	25.3

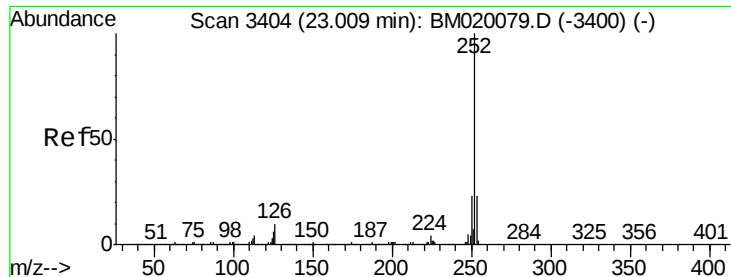


#88
Benzo(b)fluoranthene
Concen: 4.873 ng
RT: 22.94 min Scan# 3393
Delta R.T. -0.02 min
Lab File: BM020298.D
Acq: 12 May 2019 14:55

Tgt Ion: 252 Resp: 120440

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.1	5.4	8.2





#89

Benzo(k)fluoranthene

Concen: 5.256 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.06 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

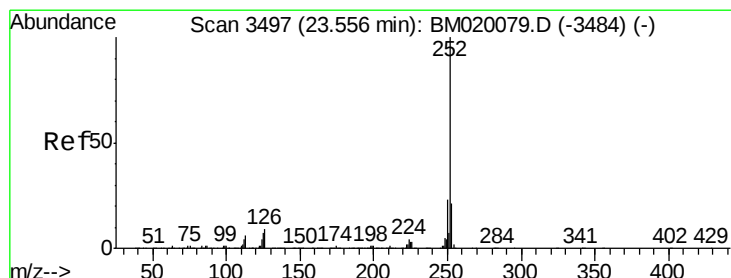
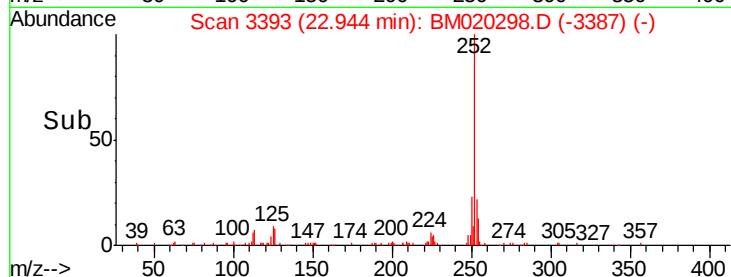
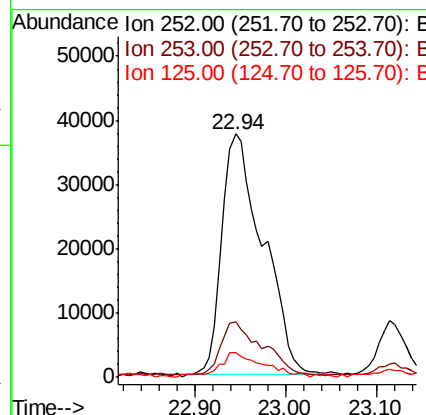
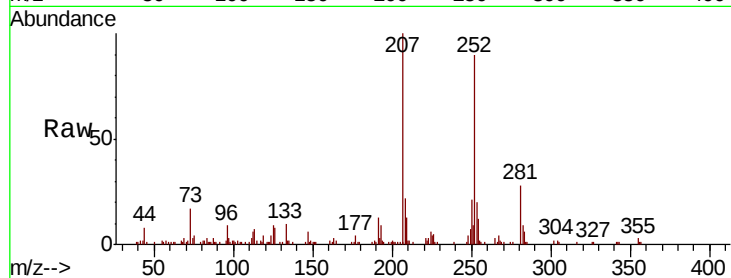
Instrument :

BNA_M

ClientSampleId :

P026-SS010-1824-01

Tgt Ion:	252	Resp:	118513
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.8
125	10.1	5.4	8.0#



#90

Benzo(a)pyrene

Concen: 2.778 ng

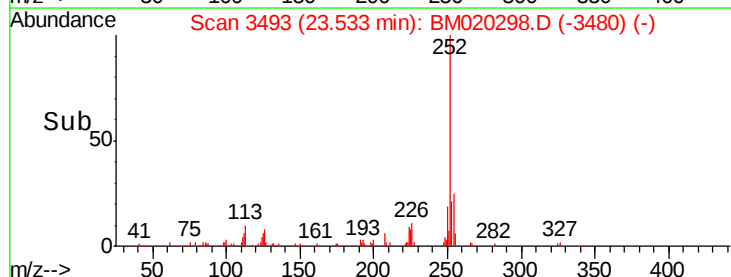
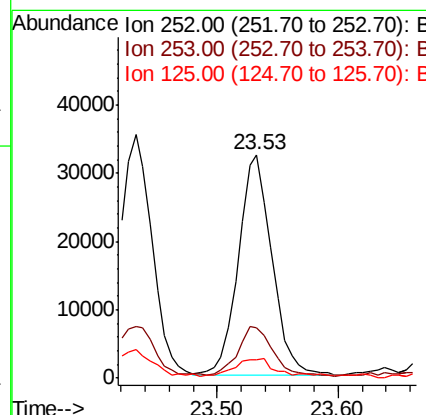
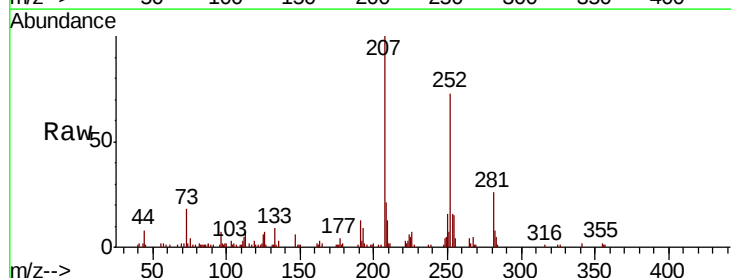
RT: 23.53 min Scan# 3493

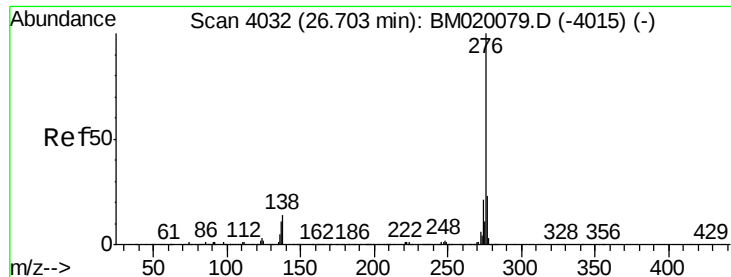
Delta R.T. -0.02 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

Tgt Ion:	252	Resp:	62378
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	8.0	5.5	8.3





#92

Benzo(g,h,i)perylene

Concen: 2.984 ng

RT: 26.67 min Scan# 4026

Delta R.T. -0.04 min

Lab File: BM020298.D

Acq: 12 May 2019 14:55

Instrument :

BNA_M

ClientSampleId :

P026-SS010-1824-01

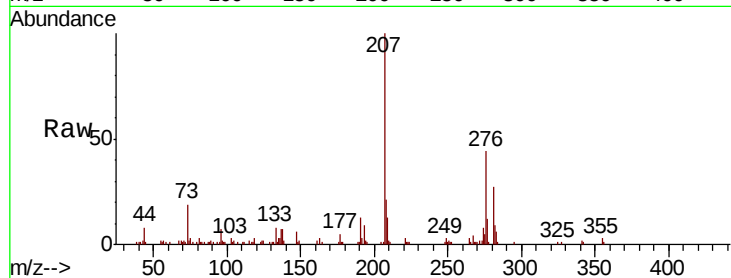
Tgt Ion: 276 Resp: 66152

Ion Ratio Lower Upper

276 100

277 26.5 18.4 27.6

138 15.4 11.1 16.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

