

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
 Data File : BN005872.D
 Acq On : 23 May 2019 04:07
 Operator : JU/SJ
 Sample : K2927-19
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 23 05:09:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 04:04:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	82793	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	358134	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	251594	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	651104	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	708210	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	696578	20.00	ng/ul	0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	6953	4.70	ng/uL	0.00
5) Phenol-d5	6.76	99	137625	21.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	84651	25.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	122877	23.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	118979	21.74	ng/ul	0.00
19) Nitrobenzene-d5	8.71	128	66681	25.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	65976	21.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	132134	23.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	127900	20.10	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	520826	26.90	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	642279	27.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	17893	6.56	ng/ul	0.04
57) Fluorene-d10	15.20	176	478427	28.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	9883	2.53	ng/ul	0.02
70) Anthracene-d10	17.06	188	789934	28.08	ng/ul	0.00
78) Pyrene-d10	19.38	212	940373	26.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	837709	26.81	ng/ul	0.01

Target Compounds				Ovalue		
6) Phenol	6.79	94	6615	1.014	ng/ul#	52
28) Naphthalene	10.37	128	26442	1.546	ng/ul	98
44) Dimethylphthalate	13.67	163	186342	9.763	ng/ul	99
47) Acenaphthylene	13.92	152	28696	1.267	ng/ul	100
49) Acenaphthene	14.26	153	33955	2.213	ng/ul	92
53) Dibenzofuran	14.62	168	29344	1.289	ng/ul	97
58) Fluorene	15.26	166	41009	2.214	ng/ul#	88
69) Phenanthrene	17.00	178	710493	22.014	ng/ul	100
71) Anthracene	17.10	178	174996	5.325	ng/ul	100
74) Carbazole	17.38	167	51243	1.769	ng/ul	96
76) Fluoranthene	19.04	202	1080217	27.071	ng/ul#	89
79) Pyrene	19.41	202	1087573	25.007	ng/ul#	85
82) Benzo(a)anthracene	21.18	228	842987	18.894	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.12	149	62155	2.459	ng/ul#	98
84) Chrysene	21.23	228	743124	17.668	ng/ul	97
87) Benzo(b)fluoranthene	22.76	252	934141	24.376	ng/ul#	95
88) Benzo(k)fluoranthene	22.76	252	934141	25.193	ng/ul#	95
90) Benzo(a)pyrene	23.22	252	379661	10.231	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.60	276	370532	8.167	ng/ul#	93
92) Dibenz(a,h)anthracene	25.60	278	97769	2.560	ng/ul#	93
93) Benzo(a,h,i)perylene	26.27	276	241713	6.374	ng/ul#	89

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

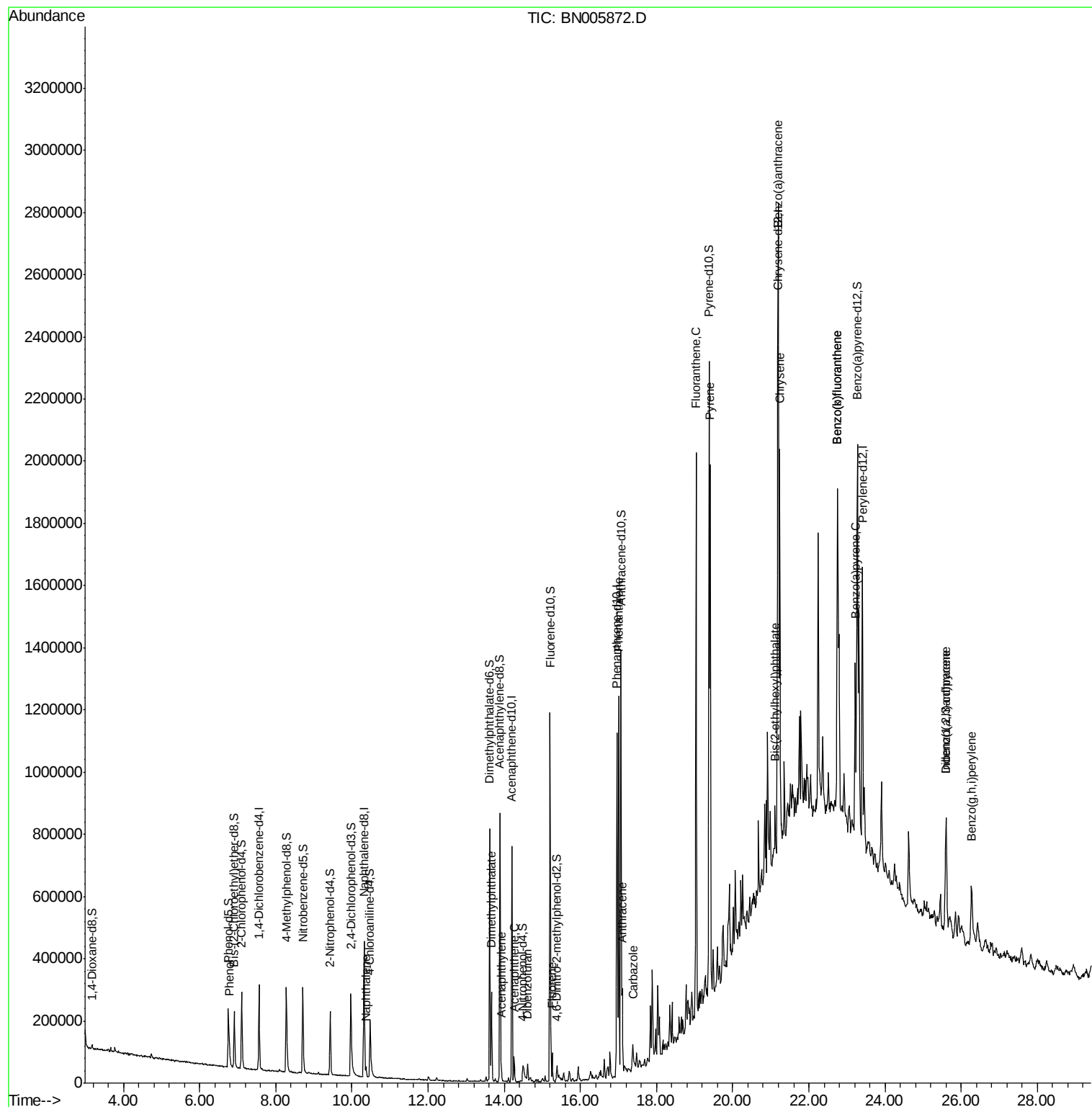
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

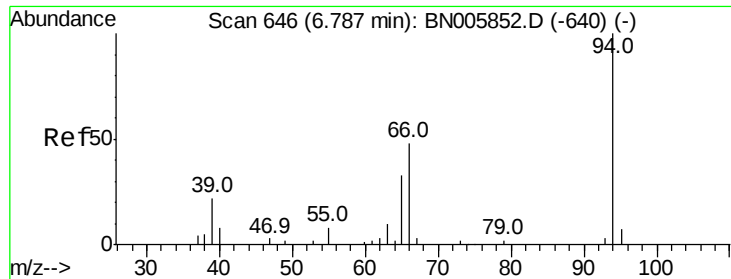
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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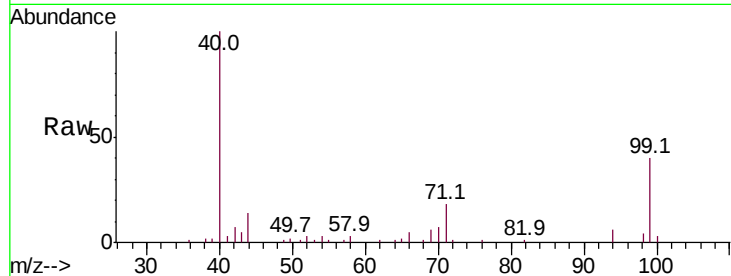
#6

Phenol

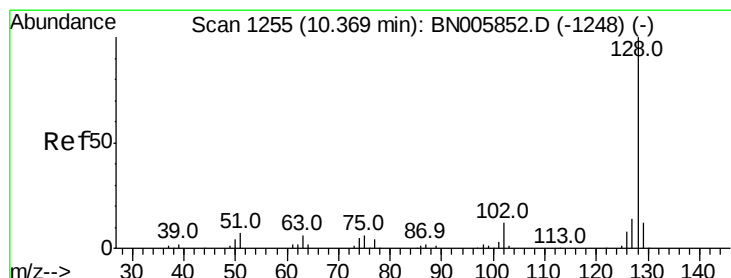
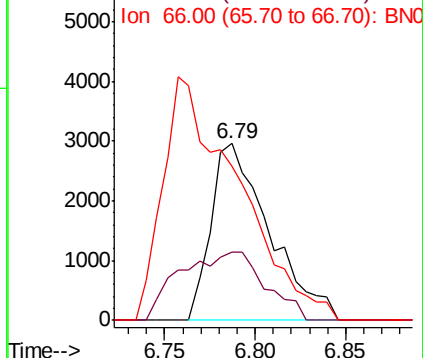
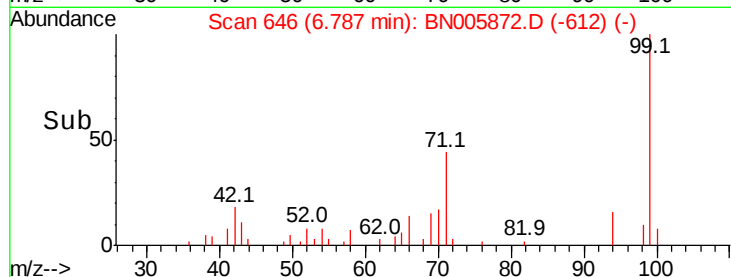
Concen: 1.014 ng/ul
 RT: 6.79 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Instrument :
 BNA_N
 ClientSampled :

Tot Ion: 94 Resp: 6615
 Ion Ratio Lower Upper
 94 100
 65 38.7 24.2 36.4#
 66 87.4 33.8 50.6#



Abundance Ion 94.00 (93.70 to 94.70): BN0
 Ion 65.00 (64.70 to 65.70): BN0
 Ion 66.00 (65.70 to 66.70): BN0

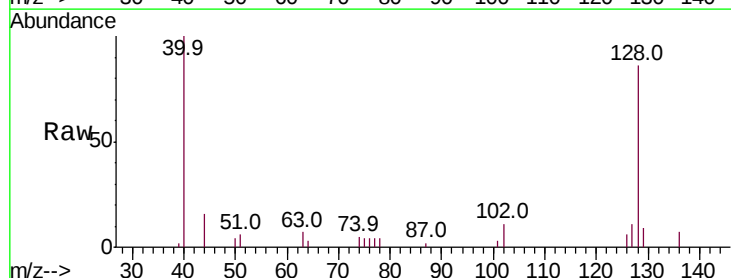


#28

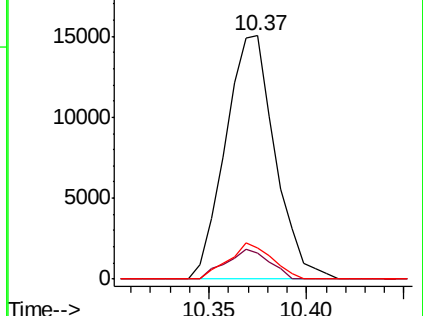
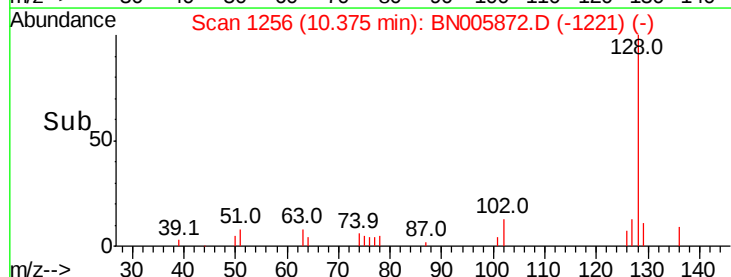
Naphthalene

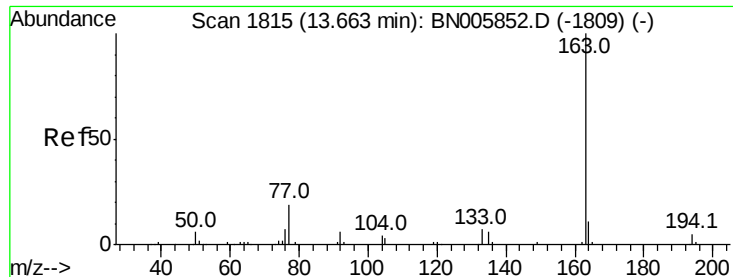
Concen: 1.546 ng/ul
 RT: 10.37 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Tgt Ion: 128 Resp: 26442
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.2 13.8
 127 12.6 10.7 16.1



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





#44

Dimethylphthalate

Concen: 9.763 ng/ul

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

ClientSampleId :

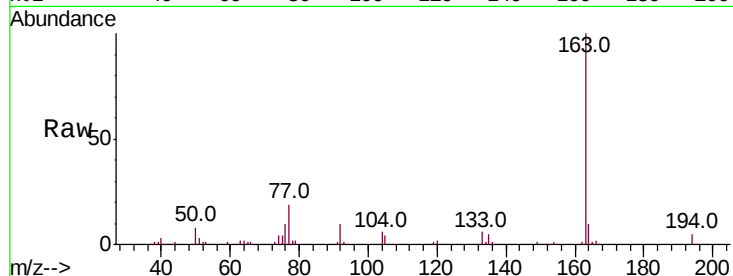
Tot Ion:163 Resp: 186342

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.0

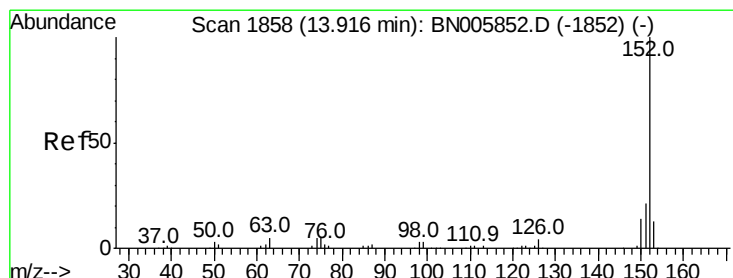
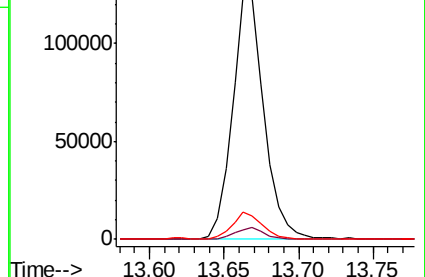
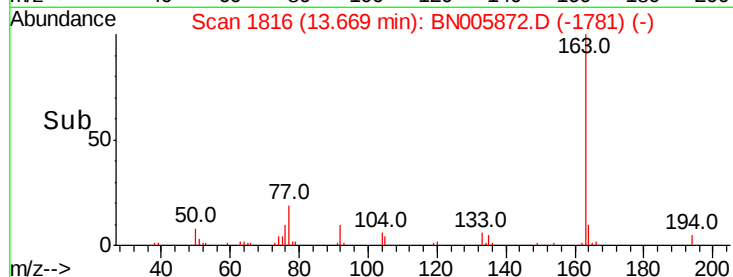
164 9.8 8.1 12.1



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



#47

Acenaphthylene

Concen: 1.267 ng/ul

RT: 13.92 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

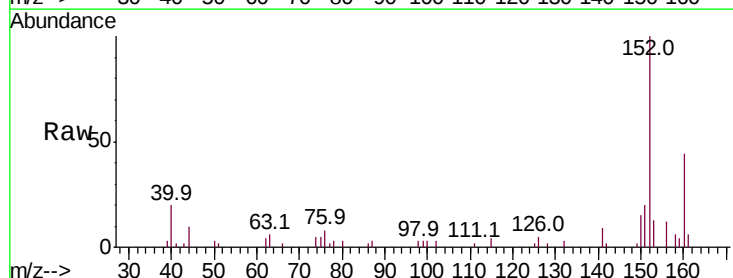
Tgt Ion:152 Resp: 28696

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

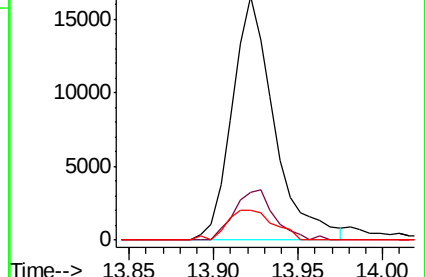
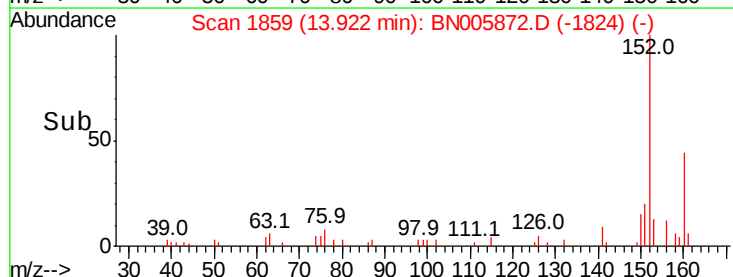
153 12.5 9.8 14.8

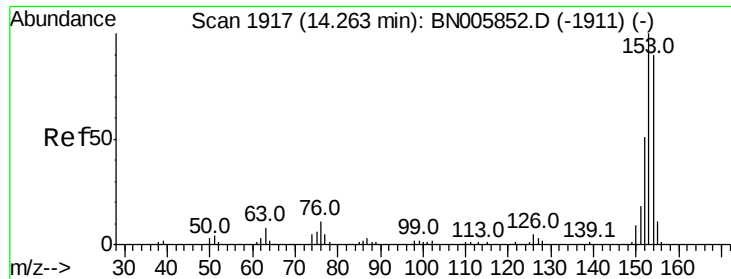


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.213 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

ClientSampleId :

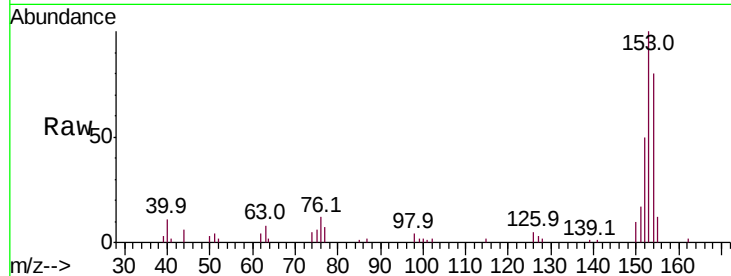
Tot Ion:153 Resp: 33955

Ion Ratio Lower Upper

153 100

152 50.1 37.4 56.0

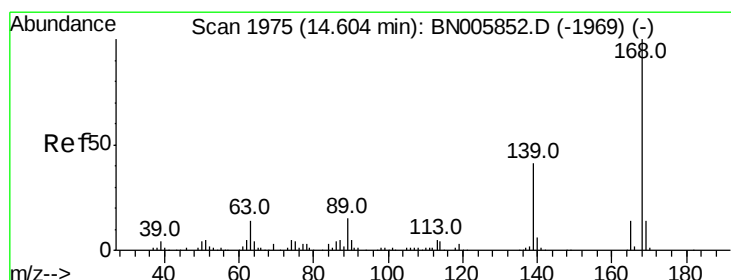
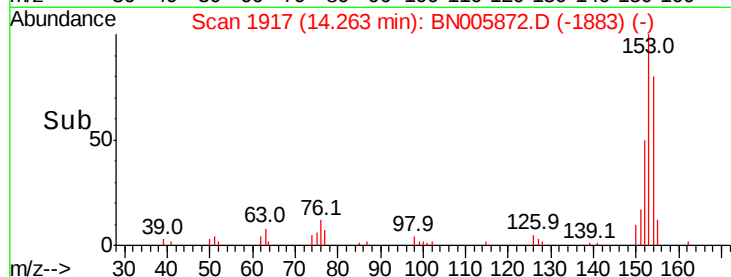
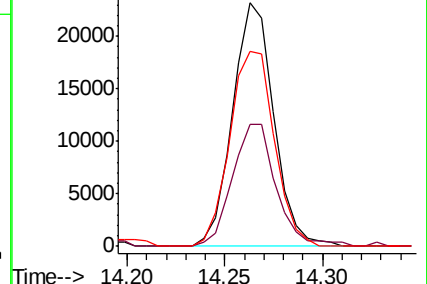
154 79.9 71.2 106.8



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



#53

Dibenzofuran

Concen: 1.289 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005872.D

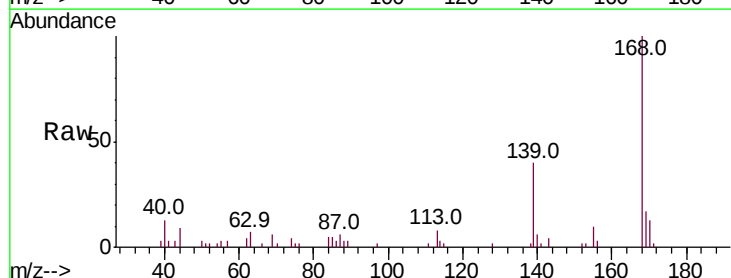
Acq: 23 May 2019 04:07

Tgt Ion:168 Resp: 29344

Ion Ratio Lower Upper

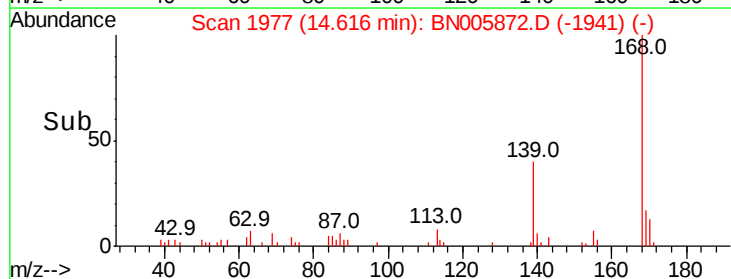
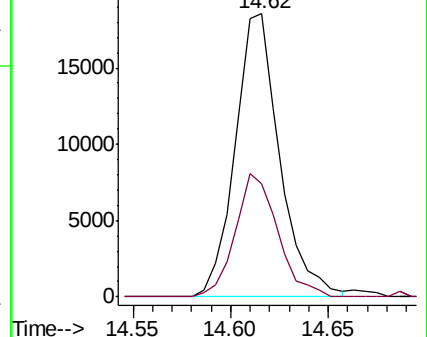
168 100

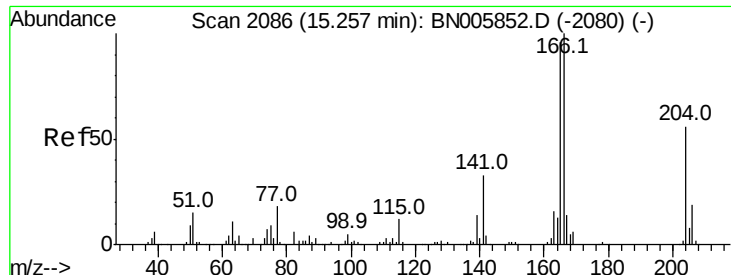
139 40.1 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.214 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. 0.01 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

ClientSampleId :

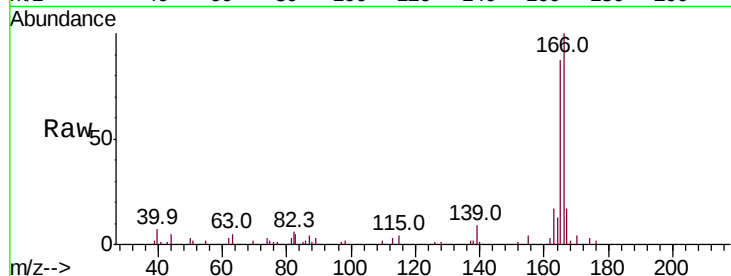
Tot Ion:166 Resp: 41009

Ion Ratio Lower Upper

166 100

165 87.2 80.0 120.0

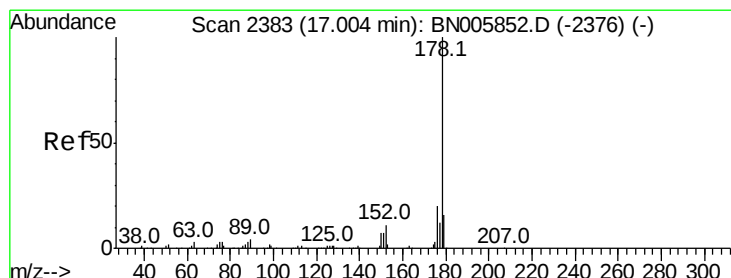
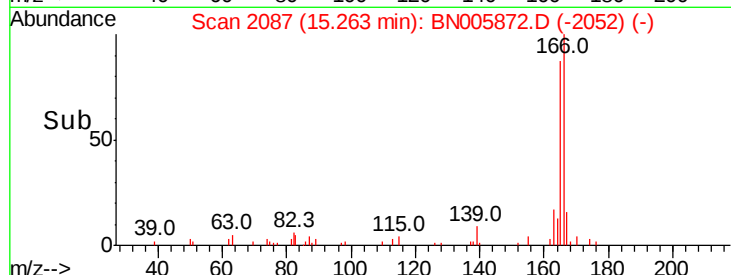
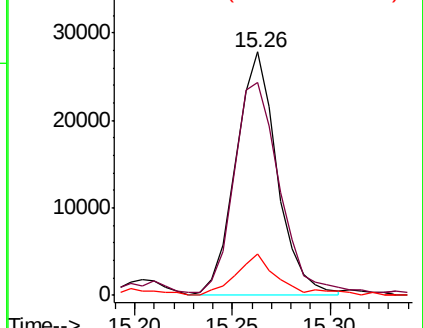
167 17.1 10.7 16.1#



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



#69

Phenanthrene

Concen: 22.014 ng/ul

RT: 17.00 min Scan# 2383

Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

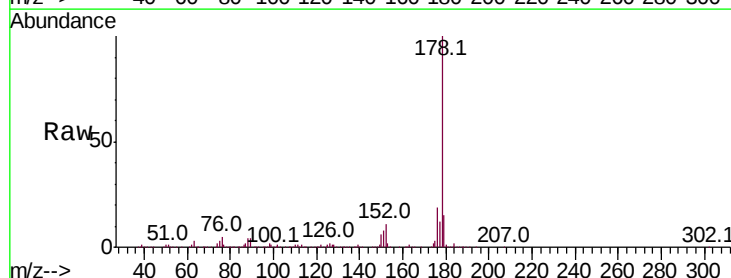
Tgt Ion:178 Resp: 710493

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

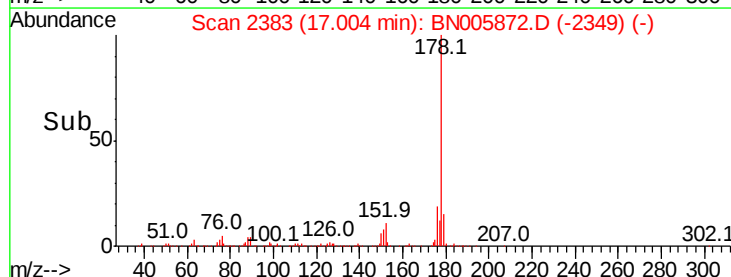
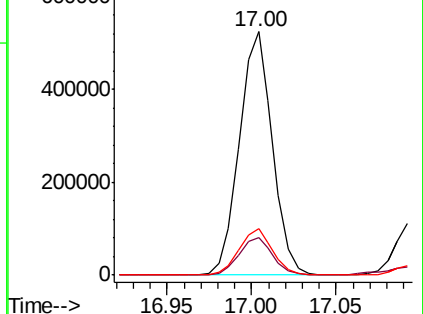
176 19.0 15.1 22.7

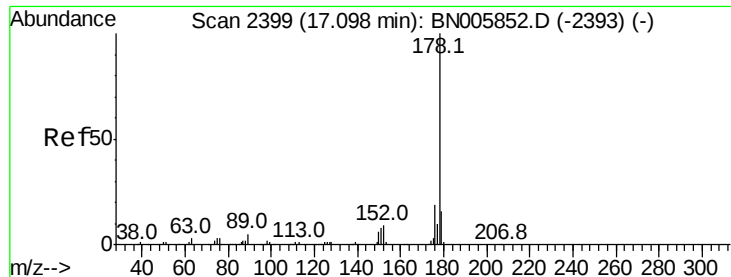


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

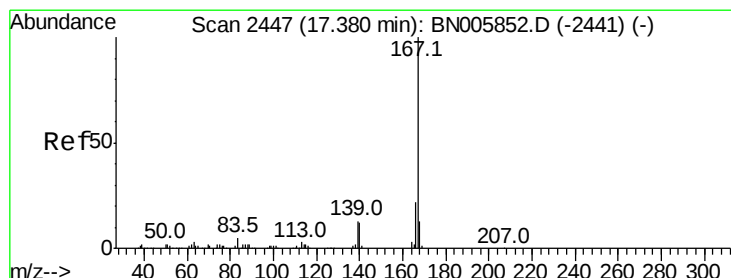
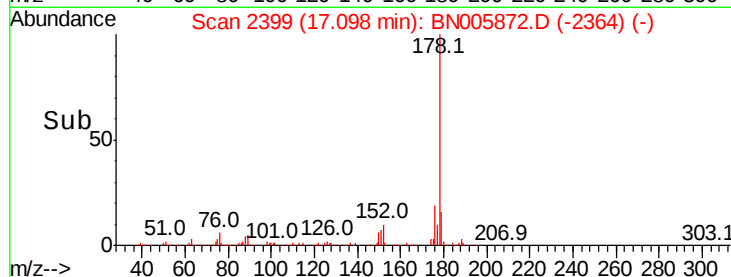
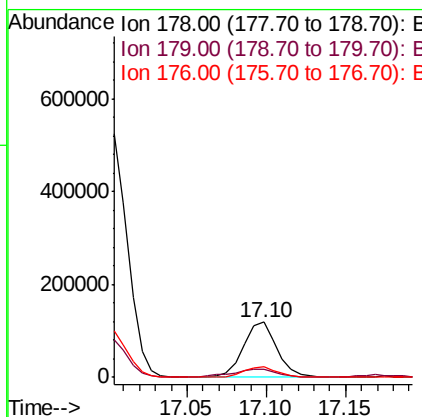
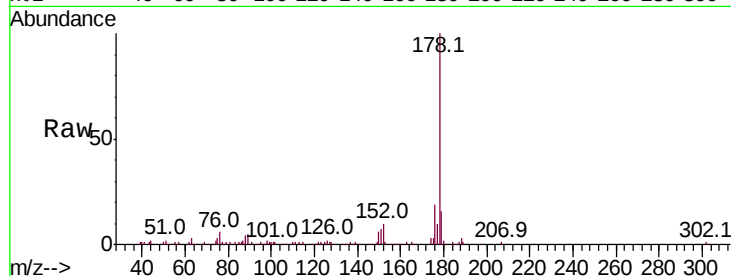




#71
 Anthracene
 Concen: 5.325 ng/ul
 RT: 17.10 min Scan# 2399
 Delta R.T. 0.01 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

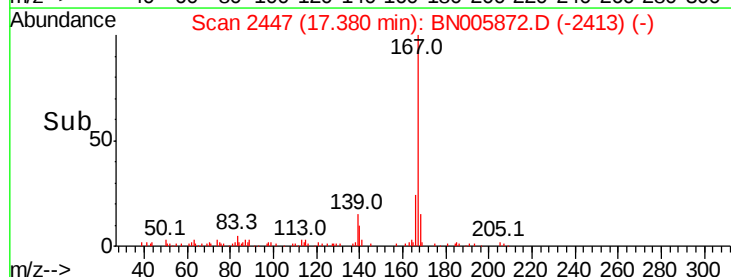
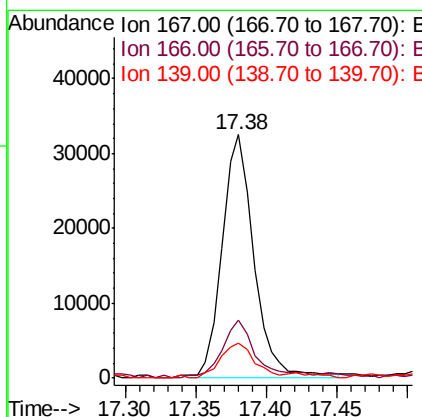
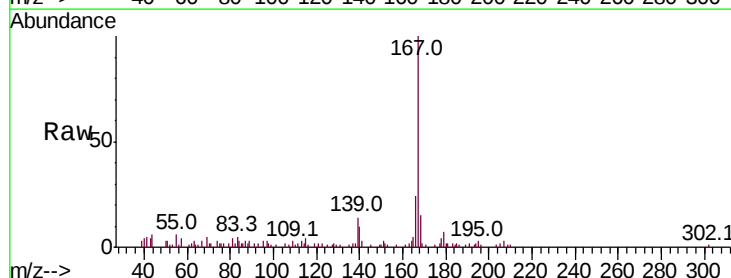
Instrument :
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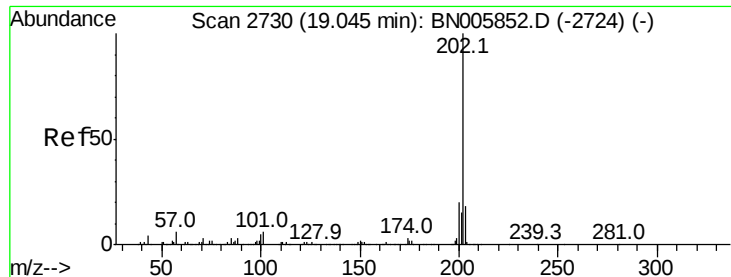
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.2	15.1	22.7



#74
 Carbazole
 Concen: 1.769 ng/ul
 RT: 17.38 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.8	17.2	25.8
139	14.4	10.6	16.0

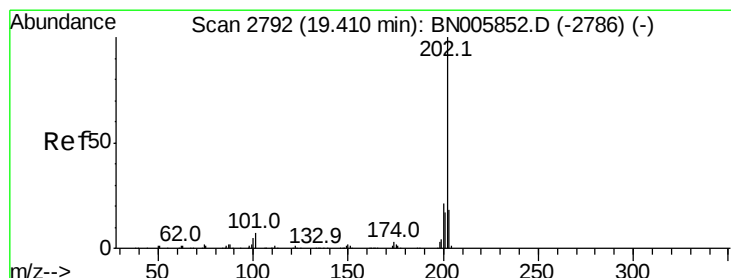
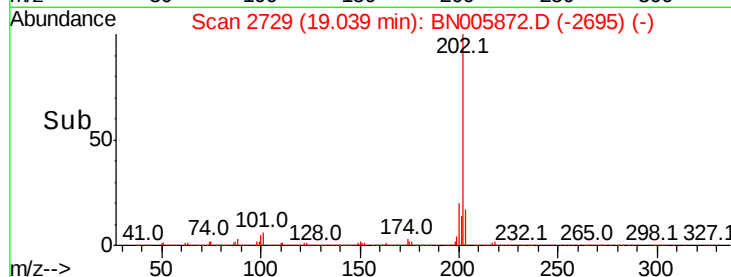
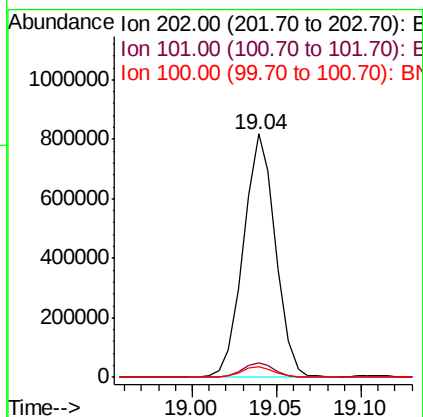
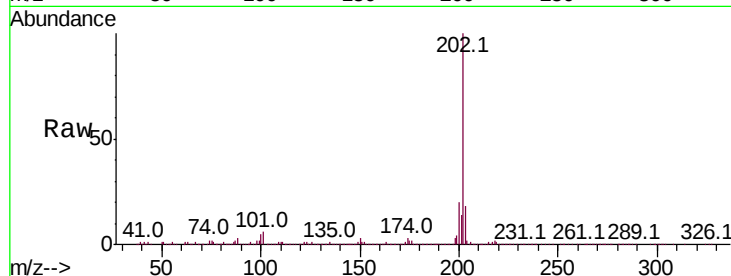




#76
 Fluoranthene
 Concen: 27.071 ng/ul
 RT: 19.04 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

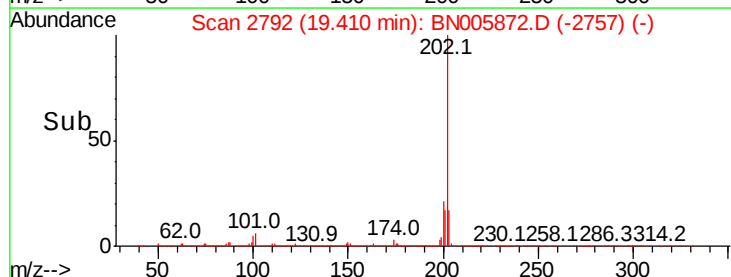
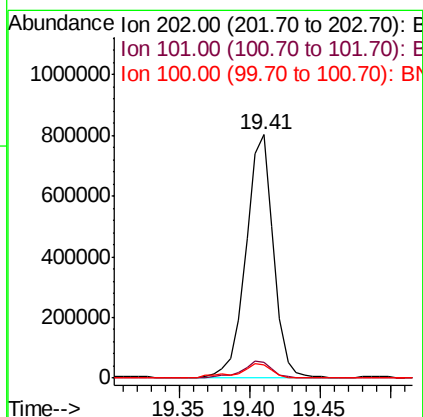
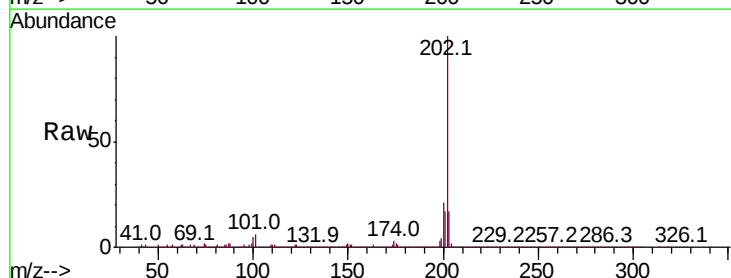
Instrument :
 BNA_N
 ClientSampled :

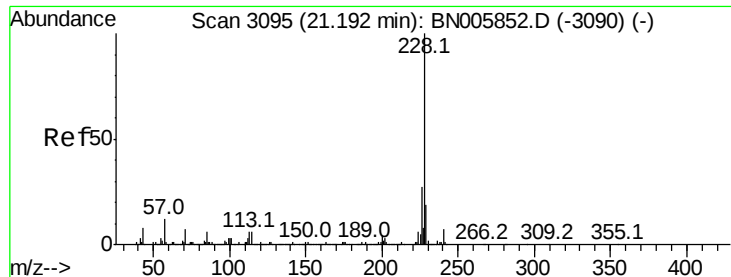
Tot Ion:202 Resp: 1080217
 Ion Ratio Lower Upper
 202 100
 101 6.0 8.6 12.8#
 100 4.6 6.3 9.5#



#79
 Pyrene
 Concen: 25.007 ng/ul
 RT: 19.41 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Tgt Ion:202 Resp: 1087573
 Ion Ratio Lower Upper
 202 100
 101 6.2 10.3 15.5#
 100 5.5 7.9 11.9#





#82

Benzo(a)anthracene

Concen: 18.894 ng/ul

RT: 21.18 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

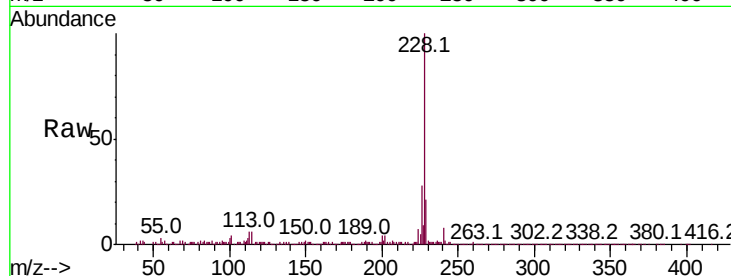
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 842987

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.6
226	27.8	21.4	32.2

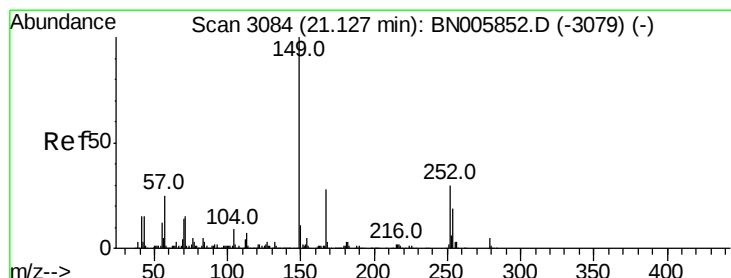
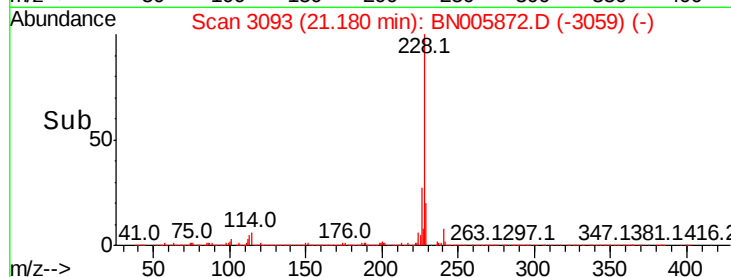
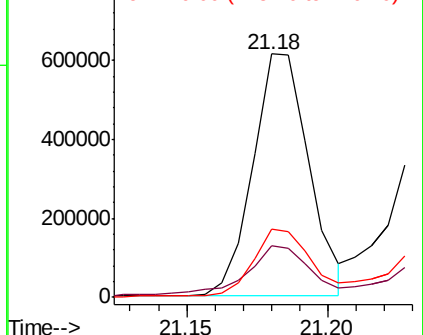


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.459 ng/ul

RT: 21.12 min Scan# 3082

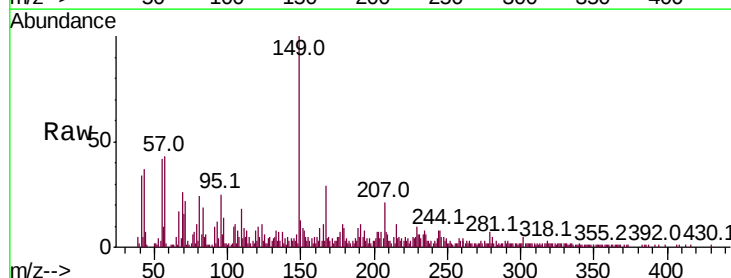
Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Tgt Ion:149 Resp: 62155

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.3	33.5
279	6.6	3.3	4.9

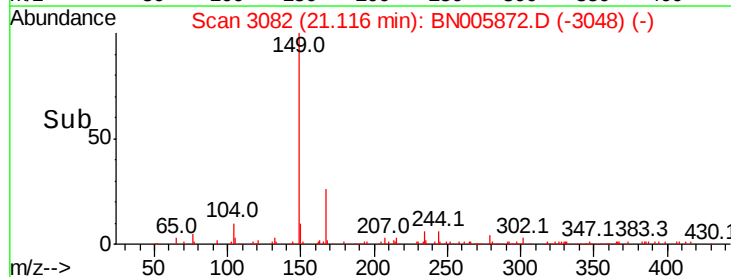
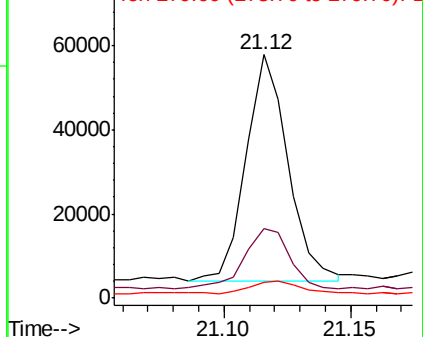


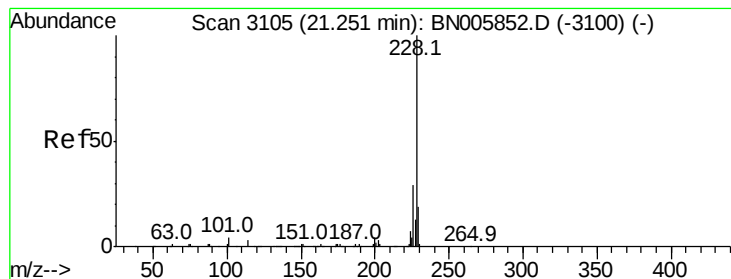
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 17.668 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

ClientSampled :

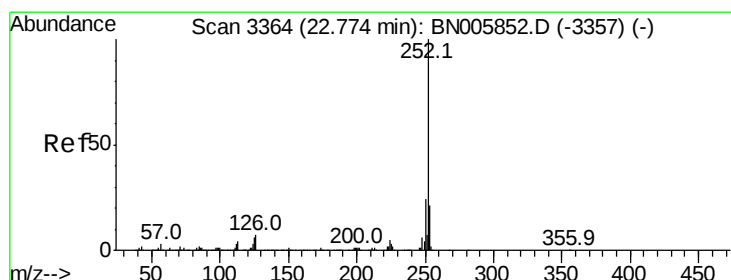
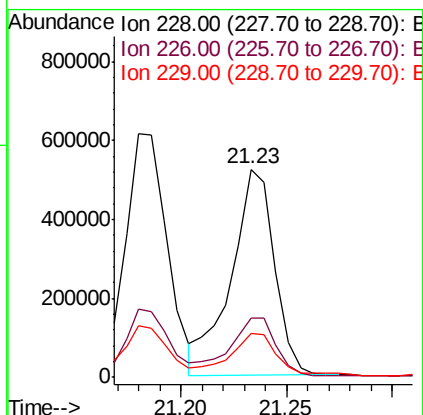
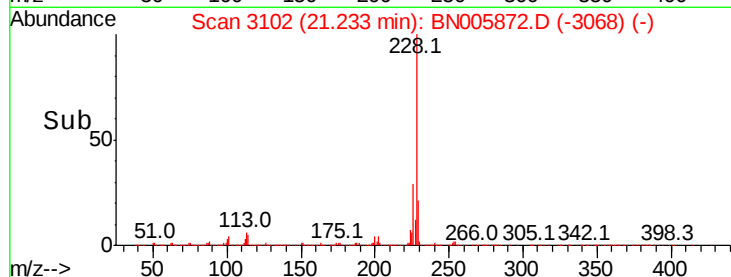
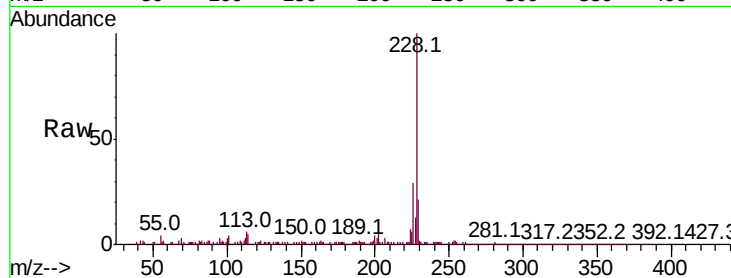
Tot Ion:228 Resp: 743124

Ion Ratio Lower Upper

228 100

226 28.8 24.0 36.0

229 21.2 15.4 23.0



#87

Benzo(b)fluoranthene

Concen: 24.376 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.02 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

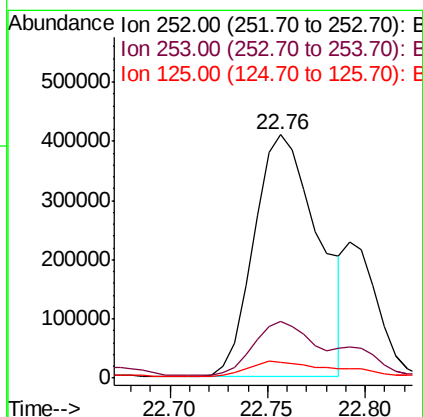
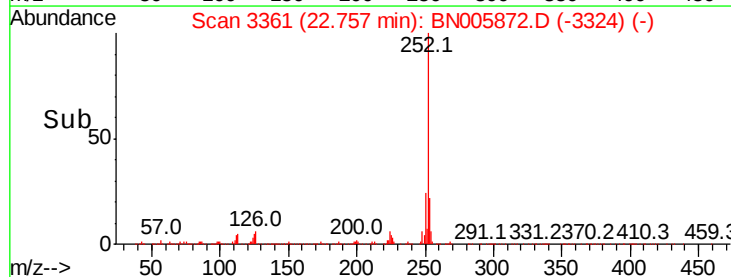
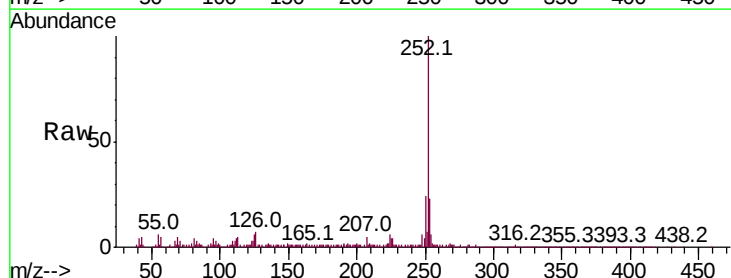
Tgt Ion:252 Resp: 934141

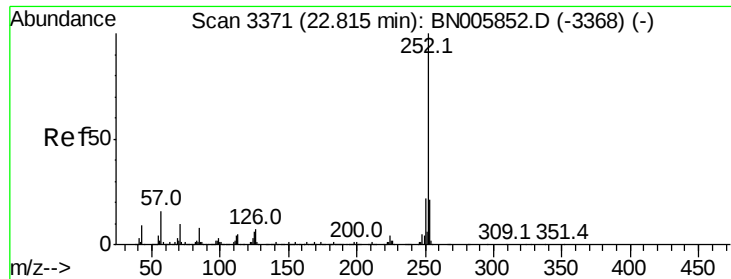
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 6.4 8.4 12.6#

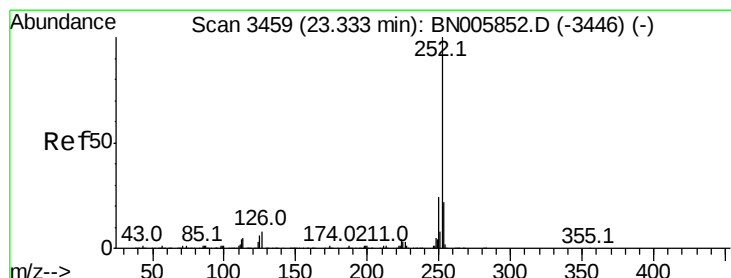
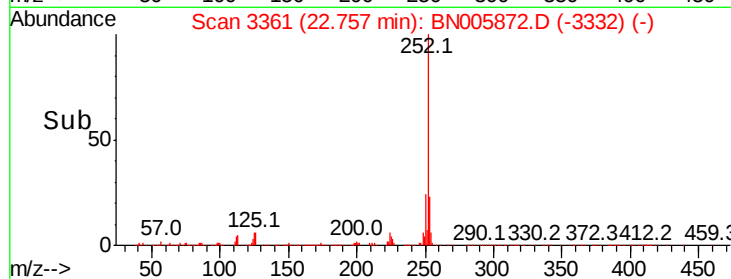
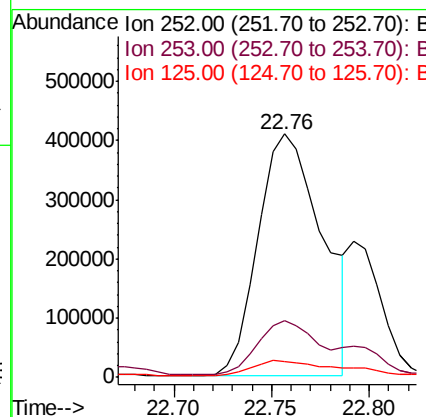
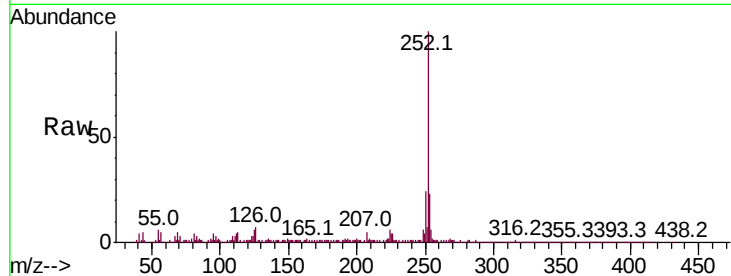




#88
Benzo(k)fluoranthene
Concen: 25.193 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.03 min
Lab File: BN005872.D
Acq: 23 May 2019 04:07

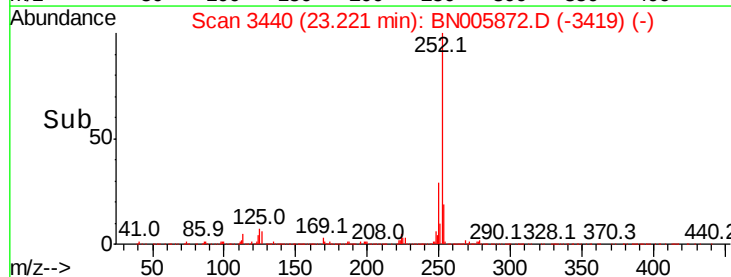
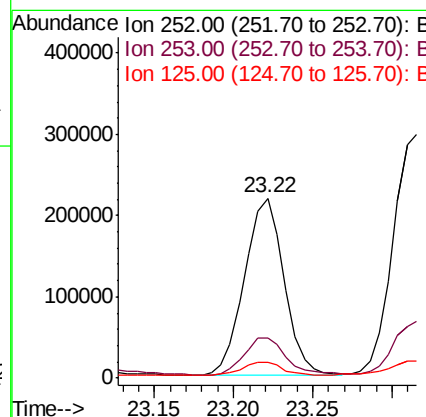
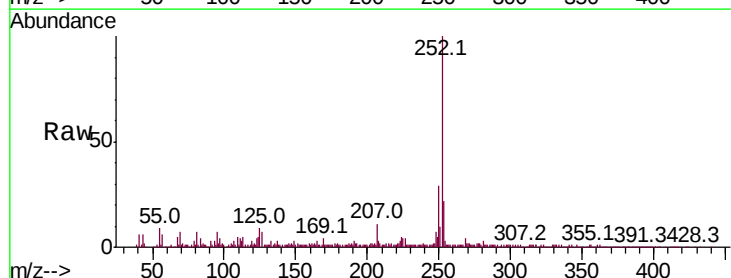
Instrument :
BNA_N
ClientSampleId :

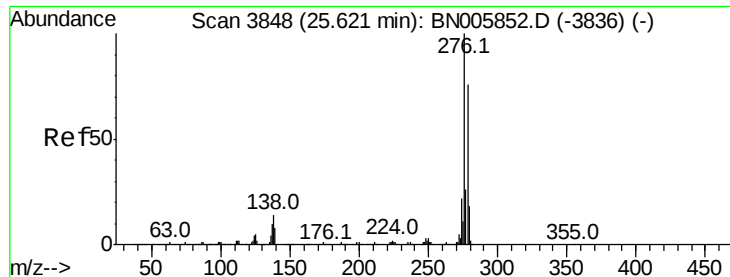
Tot Ion:252 Resp: 934141
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 6.4 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 10.231 ng/ul
RT: 23.22 min Scan# 3440
Delta R.T. -0.08 min
Lab File: BN005872.D
Acq: 23 May 2019 04:07

Tgt Ion:252 Resp: 379661
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 9.0 8.6 13.0





#91

Indeno(1,2,3-cd)pyrene

Concen: 8.167 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. 0.02 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

ClientSampleId :

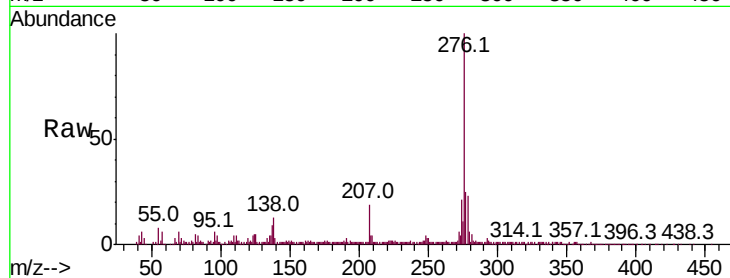
Tot Ion:276 Resp: 370532

Ion Ratio Lower Upper

276 100

138 16.2 17.9 26.9#

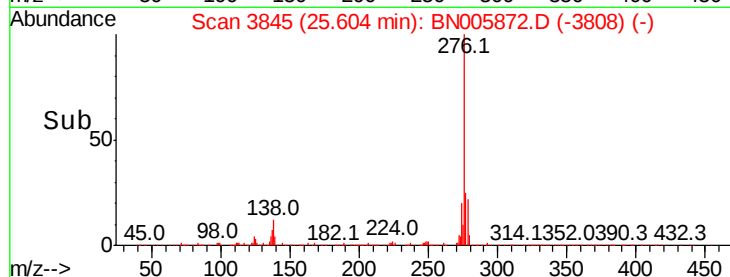
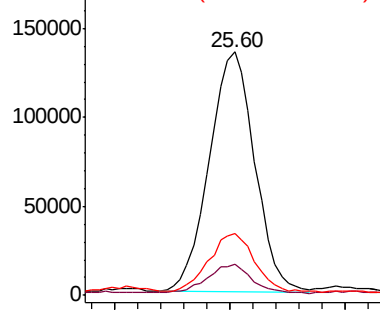
277 25.2 19.7 29.5



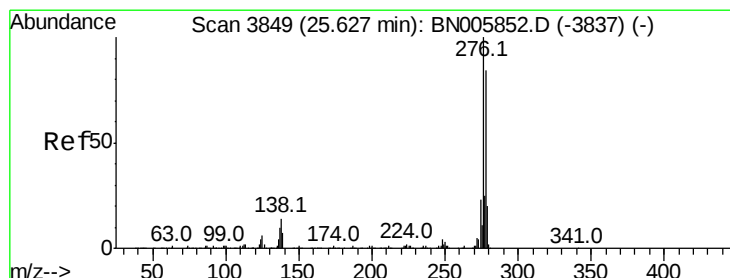
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#92

Dibenzo(a,h)anthracene

Concen: 2.560 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. 0.01 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

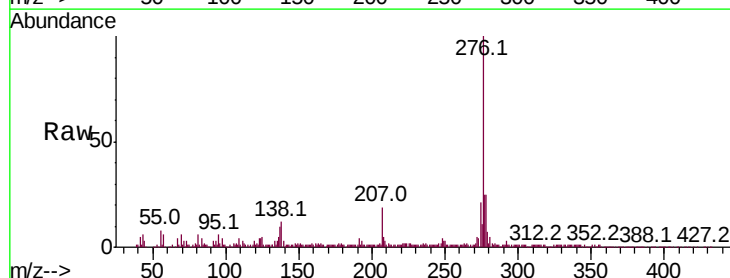
Tgt Ion:278 Resp: 97769

Ion Ratio Lower Upper

278 100

139 12.2 13.1 19.7#

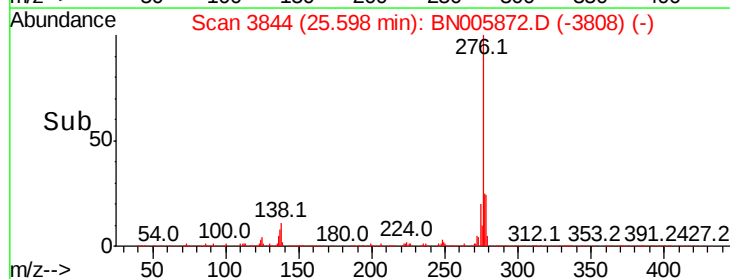
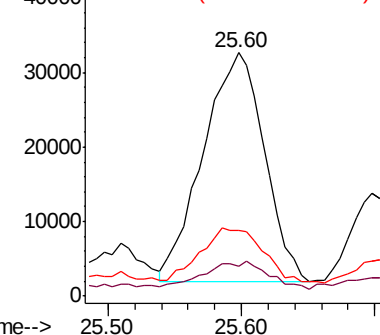
279 26.8 19.4 29.0



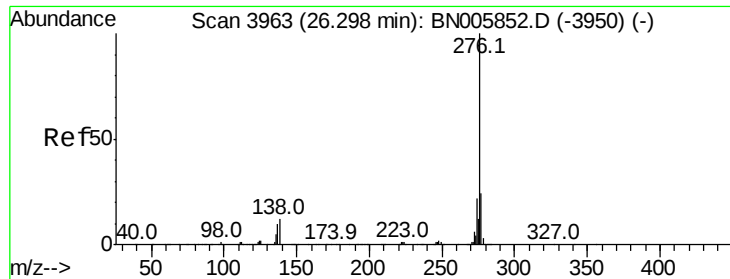
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#93

Benzo(a,h,i)perylene

Concen: 6.374 ng/ul

RT: 26.27 min Scan# 3959

Delta R.T. 0.02 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

ClientSampleId :

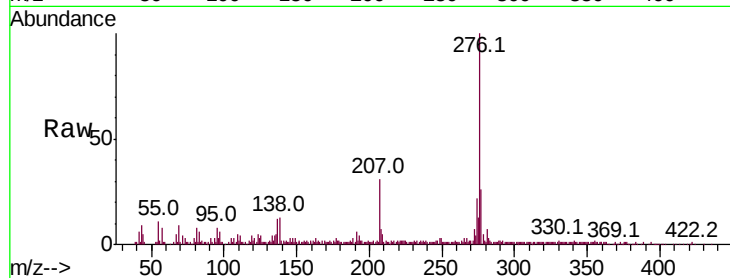
Tot Ion:276 Resp: 241713

Ion Ratio Lower Upper

276 100

138 13.3 16.7 25.1#

277 25.8 18.2 27.2



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

